

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

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## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25·2 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.		Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.
Birkenhead	23·9	14·8	20·4	16·4	Liverpool -	25·4	27·6	26·7	27·5
Birmingham	19·2	26·3	20·4	23·5	London -	21·2	21·8	20·3	28·0
Blackburn -	32·3	33·6	31·4	31·7	Manchester -	31·1	32·1	26·6	32·8
Bolton -	30·0	33·2	21·8	31·1	Newcastle-on-Tyne*	28·2	27·6	26·6	25·0
Bradford*	27·1	23·3	19·3	25·4	Norwich -	17·1	24·8	11·6	19·7
Brighton -	18·0	14·1	20·1	18·1	Nottingham -	20·4	18·9	16·9	17·7
Bristol -	20·5	23·4	21·4	26·3	Oldham -	31·9	24·9	22·7	19·9
Cardiff*	24·5	21·8	19·0	24·1	Plymouth -	34·7	27·4	28·7	26·5
Derby -	18·0	28·1	16·9	22·2	Portsmouth -	25·9	22·5	25·1	28·5
Halifax -	30·2	22·5	23·2	22·2	Preston -	26·0	26·5	27·0	32·2
Huddersfield	25·3	20·8	18·5	16·6	Salford* -	22·0	21·4	24·5	22·6
Hull -	23·8	25·1	25·3	24·6	Sheffield -	23·1	24·6	21·5	24·4
Leeds -	27·0	24·8	25·8	27·1	Sunderland -	28·8	21·8	24·1	21·8
Leicester*	19·4	17·0	19·4	14·5	Wolverhampton -	20·2	30·3	25·3	28·1

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·1 in Bradford and in Norwich, and 1·4 in Liverpool; from *scarlet fever*, 2·1 in Blackburn and 2·6 in Plymouth; and from *whooping-cough*, 1·3 in Plymouth, 1·5 in Salford, 1·8 in Bolton, 1·9 in Newcastle-upon Tyne, 2·0 in Birkenhead, and 2·5 in Bristol. The annual death-rate from "*fever*" did not reach 1·0 in any of the twenty-eight towns. The 59 deaths from *diphtheria* in these towns included 32 in London, 5 in Salford, 4 in Birmingham, 2 in Plymouth, 2 in Bolton, 2 in Sheffield, and 2 in Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight great towns.

## LONDON.

In LONDON 2961 BIRTHS and 2371 DEATHS were registered. Allowing for increase of population, the births were 117 below, while the deaths exceeded by 423, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21·2, 21·8, and 20·3 in the three preceding weeks, rose last week to 28·0. This apparently large increase of mortality was undoubtedly due, in great measure, to the registration of a considerable number of deaths that occurred in the previous week having been delayed, as is invariably the case in Christmas week. The 4661 deaths registered in the fortnight ending on Saturday last exceeded the corrected average by only 177, and corresponded to an annual rate of 24·1 per 1000. During the thirteen weeks

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.



of last quarter the death-rate averaged 17·8 per 1000, and was 2·7 below the mean rate in the corresponding periods of the ten years 1879-88.

The 2371 deaths included 36 from measles, 15 from scarlet fever, 32 from diphtheria, 98 from whooping-cough, 12 from enteric fever, 10 from diarrhœa and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 203 deaths were referred to these diseases, being 38 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 12; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and 3 in the Highgate Small-pox Hospital. The death of an infant, aged 23 days, in Deptford, was attributed to "convulsions from chicken-pox." The fatal cases of *measles*, which had been 35 and 29 in the two preceding weeks, rose again last week to 56, but were 30 below the corrected average; 5 belonged to Islington, 3 to Hackney, 3 to Bethnal Green, and 4 to Stepney sanitary areas. The deaths from *scarlet fever*, which had been 22 and 14 in the two previous weeks, were 15 last week, and 19 below the corrected average; 4 belonged to Fulham, 2 to Hackney, and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1570 scarlet fever patients at the end of last week, against 1594 and 1609 on the two preceding Saturdays; 122 cases were admitted to these hospitals during the week, against numbers declining in the four preceding weeks from 154 to 103. The deaths from *diphtheria*, which had declined in the four previous weeks from 47 to 26, rose again last week to 32, and exceeded the corrected average by 11; 2 belonged to Paddington, 2 to Hammersmith, 2 to Pancras, 2 to Clerkenwell, 3 to Bethnal Green, 4 to Poplar, 2 to Lambeth, 2 to Battersea, and 2 to Camberwell sanitary areas. The 98 fatal cases of *whooping-cough* showed a further considerable increase upon recent weekly numbers, and exceeded the corrected average by 24; 43 occurred in South London, of which 12 belonged to Lambeth, and 13 to Camberwell sanitary areas. The deaths attributed to *diarrhœa* and *dysentery*, which had been 13 and 19 in the two previous weeks, declined last week to 10, and were 4 below the corrected average. The deaths of 3 persons aged between 40 and 60 years, and of one aged upwards of 60 years, were referred to *influenza*.

The deaths referred to *enteric fever*, which had been 15, 12, and 13 in the three preceding weeks, declined last week to 12, and were 6 below the corrected average; 2 belonged to Battersea sanitary areas. The Metropolitan Asylum Hospitals contained 115 cases of enteric fever and 5 of typhus on Saturday last; 11 cases of enteric fever were admitted during the week, against 15 in each of the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 552, 518, and 467 in the three preceding weeks, rose last week to 843, and exceeded the corrected average by 301.

Different forms of violence caused 91 deaths, concerning all but 2 of which inquests were held. Of these 91 deaths, 7 were cases of suicide and 3 of murder or manslaughter, while the remaining 81 were attributed to accident or negligence. Seven of these were caused by vehicles in the streets, 13 by burns or scalds, 5 by drowning, and 29 (including 28 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3797 births and 2921 deaths were registered, corresponding to annual rates of 34·4 and 26·5 per 1000 of the estimated population. [In the Outer Ring 18 deaths from whooping-cough, 8 from measles, and 7 from diphtheria, were registered. The fatal cases of whooping-cough included 6 in Croydon, 2 in Tottenham, and 2 in West Ham sub-districts. Of the deaths from measles, 3 occurred in Croydon and 2 in Walthamstow sub-districts; and 2 deaths from diphtheria were returned in Chislehurst sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·96 ins.; the highest reading was 30·23 ins. on Monday evening, and at noon on Wednesday, and the lowest 29·45 ins. on Friday evening. The mean temperature of the *air* was 32·8, and 5·3 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average on each day of the week except Saturday, when it showed an excess. The direction of the *wind* was variable, and the horizontal movement of the *air* averaged 5·9 miles per hour, which was 7·1 miles below the average in the corresponding weeks of 16 years. *Rain* fell on three days of the week, to the aggregate amount of 0·11 of an inch. The duration of registered bright *sunshine* in the week was 5·0 hours, against 5·0 hours at Glynde Place, Lewes.



TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 4th January, 1890.

CITIES AND BOROUGHES.	Cols.	Registered during the Week ending 4th Jan., 1890.				POPULATION estimated to the middle of the year 1890.		The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGHES.						
		1.	2.	3.	4.	5.	Deaths of		Deaths from						Inquest Cases.				Mean.		In Inches.	In Centi- metres.									
							Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Unidentified Causes of Death.	From All Causes.	From 18. to 19. Centigrade.	From 20. to 21. Fahrenheit.											
28 TOWNS* -	-	9,715,559	6450	4889	913	1280	-	80	52	59	166	34	32	184	380	859	101	25.2	2.3	2.3	51.0	17.0	32.3	0.17	23.	24.	0.16	0.41	- 28 TOWNS.		
LONDON -	-	4,421,661	2961	2871	398	650	-	36	15	32	98	12	10	91	195	495	26	28.0	2.4	2.4	47.9	22.0	32.8	0.44	0.11	0.28	0.11	0.28	LONDON.		
BRIGHTON -	-	123,659	50	43	10	12	-	-	-	-	1	2	-	3	5	11	1	28.5	1.5	1.5	49.0	25.5	35.0	1.67	0.20	0.51	0.20	0.51	BRIGHTON.		
PORTSMOUTH -	-	142,932	90	78	21	27	-	-	-	1	3	-	-	-	5	2	-	19.7	2.2	2.2	-	-	-	-	-	-	-	-	PORTSMOUTH.		
NORWICH -	-	55,352	79	36	11	13	-	2	-	1	-	1	-	-	5	2	-	26.5	5.3	5.3	49.8	26.4	37.3	2.94	0.13	0.33	0.13	0.33	NORWICH.		
PLYMOUTH -	-	78,780	60	40	9	9	-	-	4	2	-	-	-	-	6	19	-	26.3	3.1	3.1	51.0	17.0	32.0	0.00	0.10	0.25	0.10	0.25	PLYMOUTH.		
BRISTOL -	-	132,248	144	117	27	26	-	2	-	-	11	1	-	2	6	10	-	28.1	2.5	2.5	39.5	19.5	29.6	-1.33	0.12	0.30	0.12	0.30	BRISTOL.		
WOLVERHAMPTON -	-	83,406	55	45	10	12	-	-	1	-	1	1	1	1	6	10	-	28.1	2.5	2.5	39.5	19.5	29.6	-1.33	0.12	0.30	0.12	0.30	WOLVERHAMPTON.		
BIRMINGHAM -	-	461,865	318	208	39	58	-	5	5	4	-	3	3	9	17	41	2	23.5	2.3	2.3	-	-	-	-	-	-	-	-	-	BIRMINGHAM.	
LEICESTER* -	-	154,344	107	43	5	15	-	1	-	1	2	-	-	1	3	9	-	14.5	1.0	1.0	-	-	-	-	-	-	-	-	-	LEICESTER.	
NOTTINGHAM -	-	244,909	146	83	17	27	-	3	2	1	-	2	-	-	3	13	-	17.7	1.8	1.8	38.7	21.0	29.1	-1.61	0.11	0.28	0.11	0.28	NOTTINGHAM.		
DERBY -	-	106,871	63	43	9	13	-	-	-	-	-	-	-	1	3	5	1	22.2	0.0	0.0	-	-	-	-	-	-	-	-	-	DERBY.	
BIRKENHEAD -	-	105,049	62	33	9	7	-	-	-	1	4	-	-	1	3	6	4	-	16.4	3.0	3.0	-	-	-	-	-	-	-	-	-	BIRKENHEAD.
LIVERPOOL -	-	613,463	401	323	53	67	-	17	5	1	8	1	3	21	23	64	32	27.5	3.0	3.0	50.1	22.5	27.6	-2.44	0.61	1.55	0.61	1.55	LIVERPOOL.		
BOLTON -	-	115,846	61	69	12	23	-	1	2	2	4	1	-	-	2	2	2	31.1	4.5	4.5	-	-	-	-	-	-	-	-	-	BOLTON.	
MANCHESTER -	-	379,437	264	239	40	67	-	1	3	1	4	1	3	13	22	56	4	32.8	1.8	1.8	-	-	-	-	-	-	-	-	-	MANCHESTER.	
SALFORD* -	-	242,509	123	105	27	16	-	2	-	5	7	1	3	4	7	8	3	22.6	3.9	3.9	-	-	-	-	-	-	-	-	-	-	SALFORD.
OLDHAM -	-	146,716	97	56	18	10	-	-	-	-	2	-	-	-	1	3	-	19.9	0.7	0.7	-	-	-	-	-	-	-	-	-	-	OLDHAM.
BLACKBURN -	-	123,553	90	75	18	13	-	-	5	-	-	-	-	2	2	7	-	31.7	3.0	3.0	-	-	-	-	-	-	-	-	-	-	BLACKBURN.
PRESTON -	-	105,163	101	65	20	13	-	-	-	-	-	-	1	-	1	4	2	32.2	1.5	1.5	-	-	-	-	-	-	-	-	-	-	PRESTON.
HULLERSFIELD -	-	94,253	47	30	3	13	-	-	-	-	-	-	-	-	1	2	5	-	16.6	0.0	0.0	-	-	-	-	-	-	-	-	-	HULLERSFIELD.
HAULFAX -	-	82,034	58	35	7	11	-	1	-	-	1	1	-	-	-	1	3	22.2	1.9	1.9	-	-	-	-	-	-	-	-	-	-	HAULFAX.
BRADFORD -	-	240,515	142	117	20	28	-	5	-	1	1	-	-	-	2	6	12	25.4	1.5	1.5	42.2	20.4	32.6	0.33	0.06	0.15	0.06	0.15	BRADFORD.		
LEEDS -	-	568,799	237	189	30	43	-	1	3	1	5	2	4	11	26	23	3	27.1	2.3	2.3	-	-	-	-	-	-	-	-	-	-	LEEDS.
SHEFFIELD -	-	332,837	240	156	37	36	-	1	5	2	1	-	-	3	6	15	9	24.4	1.4	1.4	-	-	-	-	-	-	-	-	-	-	SHEFFIELD.
HULL -	-	213,833	144	101	20	31	-	-	-	-	3	-	-	2	3	5	17	4	24.6	1.2	1.2	43.0	20.0	31.3	-0.39	0.03	0.08	0.03	0.08	HULL.	
SUNDERLAND -	-	136,506	108	57	17	10	-	-	1	-	-	-	-	-	1	7	5	21.8	2.7	2.7	51.0	23.0	35.4	1.89	0.13	0.33	0.13	0.33	SUNDERLAND.		
NEWCASTLE* -	-	162,987	113	78	14	19	-	-	-	-	6	1	-	3	6	9	1	25.0	2.9	2.9	-	-	-	-	-	-	-	-	-	-	NEWCASTLE.
CARDIFF* -	-	117,012	89	54	12	11	-	-	-	-	-	-	1	1	5	12	1	24.1	0.9	0.9	-	-	-	-	-	-	-	-	-	-	CARDIFF.
EDINBURGH -	-	271,135	134	135	27	31	-	22	-	4	7	-	-	5	5	22	36	6.4	6.4	6.4	48.1	28.7	39.0	3.89	0.33	0.84	0.33	0.84	EDINBURGH.		
GLASGOW -	-	530,208	356	312	47	53	-	9	2	3	10	2	2	10	2	41	27	2.8	2.8	2.8	49.0	29.6	40.0	4.44	0.76	1.93	0.76	1.93	GLASGOW.		
DUBLIN -	-	365,082	204	236	32	76	-	3	-	1	3	5	4	6	8	57	23	2.4	2.4	2.4	49.0	28.6	41.1	5.06	0.23	0.58	0.23	0.58	DUBLIN.		

\* See note on first page of this Return.



# Births, Deaths, Meteorology.

TABLE 2. LONDON.—Births and Deaths Registered in the First Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*†	1890
<b>TOTAL Births</b>	2570	2913	2799	3044	2926	2816	2653	2804	2845	2355	3077·8	2961
Males . .	1278	1533	1412	1538	1503	1415	1335	1366	1484	1481	1564·2	1516
Females .	1292	1380	1387	1506	1423	1401	1318	1438	1361	1374	1513·6	1445
<b>TOTAL Deaths</b>	1754	1510	1858	1556	1663	1956	1784	2127	1868	1784	1947·6	2371
Males . .	867	751	983	831	844	945	916	1023	944	905	982·4	1202
Females .	887	759	875	725	819	1011	868	1104	924	879	965·2	1169

\* The numbers in this column are the average weekly numbers in the first weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Oct. 12.	Oct. 19.	Oct. 26.	Nov. 2.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.
<b>TOTAL Births</b> - -	2595	2518	2580	2623	2658	2522	2517	2321	2270	2535	2513	1815	2961
<b>TOTAL Deaths</b> - -	1321	1410	1310	1317	1350	1451	1375	1448	1683	1768	1816	1690	2371
<b>Ages at Death</b>													
{ 0–20 years -	581	590	562	599	606	667	660	647	713	719	723	651	834
{ 20–40 " -	187	209	163	200	181	188	176	184	196	227	216	220	346
{ 40–60 " -	227	274	250	209	245	254	259	266	294	312	348	332	541
{ 60–80 " -	263	272	283	253	265	265	222	292	392	418	424	396	552
{ 80 years & upwards -	63	65	52	56	53	77	55	59	88	92	105	91	98
<b>" { Under 1 year -</b>	321	320	276	323	310	343	335	333	353	375	364	326	393
<b>" { 1–5 -</b>	175	187	200	212	209	235	233	227	265	247	261	232	310
<b>" { 5–20 -</b>	85	83	86	64	87	89	93	87	95	97	98	93	126
<b>Deaths from Small-pox</b> -	-	-	-	-	1	-	-	-	-	-	-	-	-
" " Measles -	13	23	17	22	20	33	33	18	41	30	35	29	36
" " Scarlet fever -	15	25	27	20	23	24	17	19	24	12	22	14	15
" " Diphtheria -	35	41	37	31	23	38	30	33	47	35	27	26	32
" " Whooping-cough -	14	26	22	21	24	37	31	44	47	49	60	67	98
" " Typhus -	1	1	1	-	-	1	-	-	-	-	1	2	-
" " Enteric fever -	16	11	21	19	11	20	22	15	8	15	12	13	12
" " Simple Cont'd fever -	-	2	1	-	-	-	2	1	2	-	-	-	-
" " Diarrhoea and Dysentery -	28	22	15	17	17	16	17	12	12	14	13	19	10
" " Cholera -	-	-	-	-	1	-	-	-	-	-	-	-	-
" " all the above-mentioned Diseases -	122	151	141	130	120	169	152	142	181	155	170	170	203
" " Dis. of Respiratory System -	264	300	281	300	318	321	328	345	432	552	518	467	843
" " Phthisis -	129	184	141	125	141	154	169	183	161	182	161	180	247
" " Dis. of Circulatory System -	127	115	115	104	122	121	113	126	165	163	189	158	222
<b>Violent Deaths</b> - -	50	57	49	59	51	65	57	53	56	55	69	47	91
<b>Inquest Cases</b> - -	99	112	101	123	97	122	114	113	128	124	156	121	195
<b>Deaths in Public Institutions</b>	314	332	319	309	313	363	314	336	358	422	419	400	495
<b>TEMPERATURE OF THE AIR</b>													
Mean -	49·8	49·4	46·7	47·3	47·3	46·8	44·9	37·6	32·1	38·1	43·5	39·8	32·8
Mean of Highest readings -	58·4	57·8	53·7	54·0	53·3	52·7	48·2	43·4	35·8	42·5	47·3	44·0	36·7
Mean of Lowest readings -	42·6	41·6	41·5	41·4	40·8	41·0	41·3	32·0	27·8	31·9	38·1	35·2	28·5
<b>Humidity of the Air</b> - -	82	88	94	88	90	93	94	84	85	92	94	90	97
<b>Rain-fall in inches</b> - -	0·57	0·70	1·07	0·78	0·26	0·01	0·13	0·32	0·23	0·23	0·33	0·61	0·11
<b>Registered Sunshine (in hours)</b>	31·1	17·3	8·1	23·1	3·9	11·9	0·0	5·9	8·4	4·4	2·1	3·2	5·0

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; F. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.



## Deaths from different Causes.

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TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FIRST Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 1st Weeks of the 10 years 1879-88.*	In the Week ending Saturday, 4th January 1890.									Corrected Averages for the 1st Weeks of the 10 years 1879-88.*	CAUSES OF DEATH.	In the Week ending Saturday, 4th January 1890.								
		Deaths of Persons of the Ages											Deaths of Persons of the Ages								
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.					80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
			0-1.	1-5.	5-20.										0-1.	1-5.	5-20.				
ALL CAUSES - -	1947.6	2371	398	310	126	346	541	552	98	Diseases of Organs of Special Sense † - -	2.7	4	1	1	-	1	-	1	-		
Small-pox { Vaccinated † - -	11.6	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	146.2	222	2	-	12	28	77	91	12		
Unvaccinated - - -		-	-	-	-	-	-	-	-	Croup - - -	16.8	13	-	11	2	-	-	-	-		
No Statement - - -		-	-	-	-	-	-	-	-	Bronchitis - - -	350.8	530	76	56	7	35	143	182	31		
Measles - - -	66.0	36	3	31	2	-	-	-	-	Pneumonia - - -	118.8	215	27	44	12	59	46	26	1		
Scarlet Fever - - -	33.8	15	-	13	2	-	-	-	-	Pleurisy - - -	6.9	13	-	-	2	3	4	3	1		
Typhus - - -	0.5	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	48.9	72	4	7	10	5	22	22	2		
Relapsing Fever † - -	0.0	-	-	-	-	-	-	-	-	Dentition † - - -	17.8	10	5	5	-	-	-	-	-		
Influenza - - -	0.4	4	-	-	-	3	1	-	-	Quinsy, Sore Throat † -	2.1	1	-	-	1	-	-	-	-		
Whooping-cough - -	74.2	93	30	64	4	-	-	-	-	Enteritis - - -	6.3	6	1	1	2	-	2	-	-		
Diphtheria - - -	20.6	32	2	20	8	2	-	-	-	Peritonitis - - -	6.0	12	1	1	3	2	14	10	1		
Simple Continued and Ill-defined Fever -	2.5	-	-	-	-	-	-	-	-	Diseases of Liver - - -	30.0	29	1	1	-	2	14	10	1		
Enteric Fever - - -	17.7	12	-	1	6	3	1	1	-	Other Diseases of Digestive System -	33.5	39	5	1	3	6	9	14	1		
Cholera - - -	0.1	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - -	2.1	1	-	-	-	1	-	-			
Diarrhoea, Dysentery -	13.6	10	7	-	-	1	-	2	-	Diseases of Urinary System - - -	45.1	51	-	1	1	7	19	19	4		
Remittent Fever † - -	0.1	-	-	-	-	-	-	-	-	Diseases of Generative System - - -	5.5	4	1	1	-	2	-	-	-		
Hydrophobia - - -	0.0	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4.3	3	-	-	-	3	-	-	-		
Glanders - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - -	8.6	4	-	1	-	1	-	2	-		
Cowpox and Effects of Vaccination † - -	0.0	-	-	-	-	-	-	-	-	Diseases of Integumentary System - -	5.5	4	1	-	-	1	2	-	-		
Veneral Affections -	11.1	7	4	1	-	2	-	-	-	VIOLENT DEATHS.‡											
Erysipelas - - -	7.9	7	2	-	-	2	2	1	-	(ACCIDENT.)											
Pæmia and Septicæmia †	2.7	2	-	-	-	1	-	1	-	Fracture and Contusion	23.6	32	2	-	2	4	8	14	2		
Puerperal Fever - - -	8.7	6	-	-	-	6	-	-	-	Gunshot Wound - - -	0.1	-	-	-	-	-	-	-	-		
Other Zymotic Diseases †	2.3	2	1	-	-	1	-	-	-	Cut, Stab - - -	9.4	13	-	2	3	1	2	5	-		
Thrush - - -	1.1	-	-	-	-	-	-	-	-	Burn and Scald - - -	9.6	1	-	-	-	-	1	1	-		
Worms and other Parasitical Diseases - -	0.5	-	-	-	-	-	-	-	-	Poison - - -	2.5	1	-	-	-	-	-	-	-		
Starvation, Want of Breast-milk † - -	3.0	-	-	-	-	-	-	-	-	Drowning - - -	4.9	5	-	-	-	4	-	1	-		
Alcoholism - - -	6.0	20	-	-	-	9	6	2	-	Suffocation - - -	20.5	29	23	-	-	-	-	-	-		
Rheumatic Fever, Rheumatism of Heart†	8.2	11	-	-	5	2	3	-	1	Otherwise - - -	3.1	1	-	-	-	-	-	-	1		
Rheumatism † - - -	3.9	6	-	-	-	-	1	5	-	(HOMICIDE.)											
Gout - - -	3.3	3	-	-	-	-	-	3	-	Murder & Manslaughter	1.2	3	3	-	-	-	-	-	-		
Rickets † - - -	2.4	5	2	3	-	-	-	-	-	(SUICIDE.)											
Cancer - - -	51.1	59	2	-	1	1	30	25	-	Gunshot Wound - - -	0.9	-	-	-	-	-	-	-	-		
Tabes Mesenterica - -	24.3	20	10	5	4	1	-	-	-	Cut, Stab - - -	1.6	2	-	-	-	1	1	-	-		
Tubercular Meningitis -	24.6	21	10	5	5	1	-	-	-	Poison - - -	2.1	1	-	-	-	-	-	-	-		
Phthisis - - -	177.6	247	2	1	20	136	76	11	1	Drowning - - -	1.0	2	-	-	1	1	-	-	-		
Scrofula, Tuberculosis -	13.8	10	3	4	-	2	-	1	-	Hanging - - -	1.7	2	-	-	-	1	-	1	-		
Other Constitutional Diseases † - -	11.4	16	1	-	-	4	5	6	-	Otherwise - - -	0.7	-	-	-	-	-	-	-	-		
Premature Birth - - -	39.7	50	50	-	-	-	-	-	-	(EXECUTION.)											
Atelotaxis † - - -	2.4	2	2	-	-	-	-	-	-	Hanging - - -	0.1	-	-	-	-	-	-	-	-		
Congenital Malformations -	9.2	9	9	-	-	-	-	-	-	OTHER CAUSES † - -	65.6	63	52	8	-	1	1	1	-		
Old Age - - -	69.1	67	-	-	-	-	-	39	23												
Apoplexy - - -	51.8	64	-	-	1	3	27	23	5												
Epilepsy - - -	7.5	10	1	-	1	4	-	4	-												
Convulsions - - -	55.0	50	42	7	1	-	-	-	-												
Other Diseases of Brain and Nervous System †	103.9	83	5	14	5	3	24	27	5												

\* The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



## Deaths from some Zymotic and other Causes.

TABLE 6. LONDON. -POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	The DEATHS registered in the Week include															Deaths in Public Institutions.	Uncertified Causes of Death.
					Deaths of		Deaths from														
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.				
LONDON		3,815,704	2961	2371	398	650	-	36	15	32	98	-	12	-	10	91	195	495	28		
WEST DISTRICTS		669,638	419	394	52	123	-	1	6	5	18	-	2	-	3	15	23	110	1		
NORTH DISTRICTS		905,947	637	453	81	127	-	10	5	5	16	-	2	-	1	15	37	93	1		
CENTRAL DISTRICTS		282,238	181	182	28	45	-	4	-	2	2	-	-	-	9	22	42	1	-		
EAST DISTRICTS		692,738	587	559	88	142	-	13	1	8	19	-	2	-	4	24	51	137	-		
SOUTH DISTRICTS		1,265,148	1137	783	149	213	-	8	3	12	43	-	6	-	3	28	69	118	23		
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WEST DISTRICTS.																					
St. Mary Paddington WHH G.J. & W.M.		69888	48	43	8	13	-	-	-	-	1	4	-	-	-	1	4	4	-		
St. John Paddington H - - - G.J.		37390	16	26	3	11	-	-	-	-	-	-	-	-	2	2	10	-			
Kensington Town WH - - - W.M.		120141	73	65	3	24	-	-	-	-	2	-	-	-	1	-	29	-			
Brompton H - - - W.M. & C.		48010	16	14	1	6	-	-	-	-	1	-	-	-	-	1	2	-			
St. Peter Hammersmith - - - W.M.		7899	6	2	1	1	-	-	-	1	2	-	-	-	1	2	5	-			
St. Paul Hammersmith H W.M. & G.J.		64340	51	41	9	10	-	5	1	-	-	-	-	-	-	2	7	-			
Fulham WH - - - W.M. & C.		42900	53	32	6	4	-	-	-	-	-	-	-	-	1	1	2	-			
Chelsea South HHH - - - C.		30396	19	10	2	3	-	-	-	1	-	-	-	-	-	-	8	-			
Chelsea North-west WHHHHH C.		24925	20	19	1	6	-	1	-	-	5	-	-	-	-	-	-	1			
Chelsea North-east - - - C.		32807	20	24	3	7	-	-	-	-	-	-	-	-	-	1	2	20			
May Fair WW - - - G.J.		30353	8	28	3	9	-	-	-	-	-	-	2	-	1	7	7	17			
Belgrave WHHH - - - C.		59220	23	41	5	14	-	-	-	-	2	-	-	-	-	-	-	-			
St. John Westminster HHH - - C.		35496	28	23	3	6	-	-	-	-	-	-	-	-	-	1	1	4			
St. Margaret Westminster H - - C.		24679	8	8	2	1	-	-	-	-	-	-	-	-	-	-	-	2			
St. James Westminster WHH N.R. & G.J.		29941	17	11	1	6	-	-	-	-	1	-	-	-	-	-	1	-			
St. Anne Soho HHHHHHH - N.R.		16808	8	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-			
NORTH DISTRICTS.																					
All Souls Marylebone HHHHH W.M.		26759	15	17	-	5	-	-	-	-	-	-	-	-	-	-	1	7	-		
Cavendish Square HHHH - - - W.M.		14891	2	-	-	8	-	-	-	-	-	-	-	-	-	1	3	2	-		
Rectory Marylebone WHH G.J. & W.M.		24809	16	12	-	8	-	-	-	-	-	-	-	-	-	1	1	2	-		
St. Mary Marylebone HHH G.J. & W.M.		21118	29	8	3	2	-	-	-	-	2	-	-	-	-	-	-	-	-		
Christchurch Marylebone HH - - W.M.		33700	21	19	2	4	-	-	-	1	-	-	-	-	1	3	4	-	-		
St. John Marylebone H - - - W.M.		33633	14	18	7	4	-	-	-	-	-	-	-	-	-	-	3	2	-		
Hampstead WWHHHH N.R. & W.M.		45452	25	21	7	5	-	-	-	1	1	-	-	-	-	-	-	-	-		
Regent's Park Pancras H - - W.M.		39115	30	19	4	4	-	-	-	3	-	-	-	-	-	1	2	11	-		
Tottenham-court WHHHH N.R. & W.M.		27729	13	20	1	8	-	-	-	1	-	-	-	-	-	2	2	3	-		
Gray's Inn Lane HHH - - - N.R.		30247	16	13	-	2	-	-	-	-	-	-	-	-	-	1	2	2	-		
Somers Town H - - - N.R.		34369	23	13	5	2	-	2	-	-	-	-	-	-	-	1	3	10	-		
Camden Town WH - - - N.R.		17811	9	15	2	6	-	-	-	-	2	-	-	-	-	1	4	9	-		
Kentish Town W - - - N.R.		87487	69	37	6	12	-	-	-	-	-	-	-	-	-	-	-	-	-		
Upper Holloway WWHH - - - N.R.		67946	53	54	5	14	-	1	-	1	2	-	1	-	-	1	2	23	-		
Islington South-west HH - - - N.R.		100976	52	38	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-		
Islington South-east - - - N.R.		61825	41	26	6	5	-	4	1	-	-	-	-	-	-	1	-	-	-		
Highbury H - - - N.R.		52048	32	16	5	5	-	-	-	1	-	-	-	-	-	-	-	-	-		
Stoke Newington H - - - N.R.		22781	20	7	2	2	-	-	-	-	-	-	-	-	-	1	1	-	-		
Stamford Hill - - - E.L.		9277	9	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney H - - - N.R.		24	20	3	4	-	-	-	-	-	-	-	-	-	-	-	2	3	-		
Hackney WWHH - - - E.L. & N.R.		76911	65	58	7	19	-	2	4	1	1	-	1	-	-	2	3	22	-		
South Hackney - - - E.L.		39888	29	17	2	5	-	1	-	-	-	-	-	-	-	-	2	-	-		
CENTRAL DISTRICTS.																					
St. George Bloomsbury - - - N.R.		16681	7	9	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-		
St. Giles South WH - - - N.R.		14864	6	10	1	3	-	-	-	-	-	-	-	-	-	-	-	3	-		
St. Giles North - - - N.R.		13837	8	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Martin-in-the-Fields HH N.R. & C.		17508	6	9	1	1	-	1	-	-	-	-	-	-	-	-	-	4	-		
St. Mary-le-Strand H - - - N.R.		7515	2	2	1	2	-	-	-	-	-	-	-	-	-	-	2	1	-		
St. Clement Danes H - - - N.R.		8559	5	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
Strand Union Workhouse, Edmonton w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Geo.-the-Martyr HHHHHH N.R.		18871	13	14	-	2	-	-	-	-	-	-	-	-	-	-	-	4	-		
St. Andrew Eastern W - - - N.R.		10705	5	13	1	4	-	-	-	-	-	-	-	-	-	1	1	7	-		
Raffron Hill H - - - N.R.		6633	7	3	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - - - N.R.		17516	18	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Anwell Clerkenwell - - - N.R.		19281	15	10	3	2	-	-	-	-	-	-	-	-	-	1	2	-	-		
Pentonville - - - N.R.		14773	9	8	2	3	-	-	-	-	-	-	-	-	-	-	1	3	-		
Goswell-street - - - N.R.		17506	21	9	3	3	-	-	-	1	-	-	-	-	-	1	2	-	-		
Old-street H - - - N.R.		11541	16	9	4	3	-	1	-	-	-	-	-	-	-	1	2	2	-		
City-road HHL - - - N.R.		18823	24	16	4	3	-	-	-	-	1	-	-	-	-	1	1	-	-		
Whitecross-street - - - N.R.		9217	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury - - - N.R.		7463	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham, w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - - - N.R. & E.L.		11174	2	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate - - - N.R.		7193	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - - - N.R.		5558	3	24	-	4	-	1	-	1	-	-	-	-	-	2	3	18	-		
St. Bride W - - - N.R.		8896	5	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-		
Allhallows Barking - - - N.R.		13866	5	8	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - - - N.R.		5652	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-		

NOTE - The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse; H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands; see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts: -G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East London and K., the Kent Company.



FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
Saturday, 4th January, 1890.

The DEATHS registered in the Week include																		
REGISTRATION SUB-DISTRICTS.	Enume- rated Popu- lation, 1881.	Total Births.	Deaths of															
			Total Deaths.	Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.																		
Holywell Shoreditch	N.R. & E.L.	7376	4	2	-	2	-	-	-	-	-	-	-	-	-	1	1	-
St. Leonard Shoreditch	HL*	14967	7	6	1	1	-	1	-	-	-	-	-	-	-	1	1	17
Hoxton New Town	N.R.	29937	23	34	3	17	-	-	-	-	-	-	-	-	-	1	1	-
Hoxton Old Town	N.R.	28036	31	7	1	5	-	-	-	-	-	-	-	-	-	1	1	6
Haggerston	N.R. & E.L.	46275	36	29	5	5	-	-	-	-	-	-	-	-	-	1	1	-
Bethnal Green North	H	51157	46	38	12	6	-	1	1	3	2	-	-	-	2	5	1	-
Bethnal Green South	H	34399	34	16	3	5	-	-	-	-	1	-	-	-	1	3	-	-
Bethnal Green East	WHL*	41405	38	34	4	10	-	2	-	-	1	-	-	-	-	11	-	-
Spitalfields	E.L. & N.R.	22585	12	12	1	2	-	-	-	-	1	-	-	-	-	1	-	-
Mile End New Town	W	15473	16	31	3	3	-	1	-	-	-	-	-	-	-	-	22	-
Whitechapel Church	H	17490	14	42	4	5	-	1	-	-	1	-	-	-	2	3	31	-
Goodman's Fields	H	9713	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Aldgate	N.R. & E.L.	6102	2	10	-	5	-	-	-	-	-	-	-	-	3	5	-	-
St. George's, North	H	38747	30	28	2	3	-	1	-	-	-	-	-	-	-	3	-	-
St. John, St. George East	W	8410	6	10	1	3	-	-	-	-	-	-	-	-	-	1	7	-
Shadwell	H	10895	15	9	1	-	-	-	-	-	-	-	-	-	1	2	3	-
Ratcliff	H	16107	13	14	2	2	-	-	-	-	1	-	-	-	1	1	-	-
Lincolns	H	32041	26	21	3	6	-	4	-	-	1	-	-	1	-	-	-	-
Mile End Old Town West	H	37960	44	30	10	8	-	-	-	-	-	-	-	-	1	2	-	-
Mile End Old Town East	W & H	67653	61	54	6	18	-	1	-	1	4	-	-	1	4	8	17	-
Bow	L*	37074	27	25	5	6	-	1	-	-	2	-	-	-	-	1	3	-
Bromley	W & H	64359	57	58	14	16	-	-	-	-	-	-	-	-	4	6	19	-
Poplar	W & H	55077	42	47	6	11	-	-	-	4	4	-	-	-	1	4	1	-
SOUTH DISTRICTS.																		
Christchurch Southwark	WH	13663	5	9	1	3	-	-	-	-	-	-	-	-	1	2	1	-
St. Saviour Southwark	S.	14999	10	7	-	1	-	-	-	-	-	-	-	-	1	-	-	-
Kennington	S. & L.	21381	17	14	4	1	-	-	-	-	1	-	-	-	-	2	2	1
Borough-road	WH	15953	11	13	4	1	-	1	-	-	-	-	-	-	-	1	-	-
London-road	HL	21318	8	4	1	1	-	-	-	-	-	-	-	-	-	1	-	-
Trinity Newington	S. & L.	26672	20	12	2	3	-	-	1	1	2	-	-	-	-	3	7	3
St. Peter Walworth	W	59555	56	48	13	13	-	-	-	-	4	-	-	-	-	1	1	-
St. Mary Newington	L. & S.	21623	21	18	4	6	-	1	-	-	-	-	-	-	-	-	-	2
St. Olave	WH	11956	14	17	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Leather Market	S. & L.	16309	16	3	1	3	-	-	-	-	-	-	-	-	-	-	1	-
St. Mary Magdalen	W	15669	13	6	1	2	-	-	-	-	-	-	-	-	-	-	-	1
St. James Bermondsey	S.	54682	52	21	6	5	-	-	-	-	2	-	-	-	2	4	5	-
Rotherhithe	WH	36024	32	19	5	5	-	1	-	-	1	-	-	-	-	-	-	-
Waterloo-road 1st	H	15195	15	5	-	3	-	-	-	-	-	-	-	-	1	1	1	-
Waterloo-road 2nd	H	16381	26	6	1	4	-	-	-	-	-	-	-	-	-	3	11	-
Lambeth Church 1st	H	19876	15	23	4	9	-	1	5	-	-	-	-	-	2	3	13	2
Lambeth Church 2nd	W & H	33859	42	35	4	9	-	1	-	-	3	-	-	-	-	-	-	-
Kennington 1st	S. & L.	45282	34	24	3	5	-	-	-	-	3	-	-	-	-	-	-	-
Kennington 2nd	S. & L.	35832	22	27	4	12	-	-	-	-	-	-	-	1	-	1	-	1
Brixton	W & H	62837	41	33	7	11	-	-	-	1	4	-	-	-	-	-	-	-
Norwood	W	19017	14	9	2	5	-	-	-	-	2	-	-	-	-	-	-	-
East Battersea	S.	54675	44	24	5	2	-	-	-	-	3	-	-	-	1	2	-	-
West Battersea	W & H	52887	61	47	8	12	-	2	-	-	1	-	2	-	-	2	6	-
Clapham	H	36360	18	13	2	5	-	-	-	-	1	-	-	-	1	1	-	-
Wandsworth	WHL	28004	36	14	2	6	-	-	-	-	-	-	-	-	-	2	1	-
Putney	S.	13235	10	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	L.	25553	25	7	2	-	-	-	-	-	-	-	-	-	1	1	-	-
Dulwich	L. & S.	5590	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Camberwell	W & L*	53104	57	50	5	24	-	-	-	1	-	-	-	-	1	2	24	1
Peckham	W	71989	51	54	11	13	-	-	1	-	10	-	-	-	3	6	-	-
St. George Camberwell	L. & S.	60810	65	51	9	8	-	-	-	1	2	-	-	-	-	-	-	-
St. Paul Deptford	W & H	6752	86	57	7	12	-	-	-	1	2	-	3	-	-	5	3	3
St. Nicholas Deptford	H	7901	10	5	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Greenwich West	H	21972	18	11	2	5	-	-	-	-	-	-	-	1	1	2	16	-
Greenwich East	W & H	24608	27	31	6	9	-	-	-	-	-	-	-	-	-	-	-	-
Eltham	H	5048	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	H	21559	10	6	-	4	-	-	-	-	-	-	-	-	1	1	1	-
Lewisham	WH	19865	26	9	2	2	1	-	-	-	1	-	-	-	1	1	-	1
Sydenham	H	26076	10	7	3	1	-	-	-	-	1	-	-	-	-	-	-	-
Charlton	H	10930	9	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Dockyard	H	17617	16	13	2	5	-	-	-	-	-	-	-	-	-	-	-	3
Woolwich Arsenal	HH	1904	15	11	2	5	-	-	-	-	-	-	-	-	-	-	-	-
Plumstead, West	H	14009	9	8	3	1	-	-	-	-	-	-	1	-	1	2	4	1
Plumstead, East	W	12241	40	20	7	5	-	-	-	-	-	-	-	-	-	-	-	-
Metropolitan Asylum Hospitals:																		
Dartford	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Winchmore Hill	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plaistow	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by w:-

Marylebone Infirmary in Kensington Town sub-district.  
Central London Sick Asylum in Tottenham Court-road sub-district.  
Holborn Infirmary in Upper Holloway sub-district.  
London City Workhouse in Hackney sub-district.  
Holborn " in Hoxton New Town sub-district.  
Whitechapel " in Mile End Old Town Eastern sub-district.  
London City " in Mile End Old Town Eastern sub-district, and Bromley sub-district.  
Stepney Workhouse in Bromley sub-district.  
Fondar & Stepney Sick Asylum in Westminster Union Industrial School in West Battersea sub-district.  
St. Saviour's Infirmary in Camberwell sub-district.  
Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.  
Strand and Holborn Workhouses outside Registration London.

\* Private Lunatic Asylums in which paupers are received.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS AND DEATHS registered during the Week ending Saturday, 4th January, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	
LONDON—OUTER RING		370,924	950,957	836	550	119	140	-	8	4	7	18	3	3	13	24	66	6	
80:1	Carshalton <i>wL</i>	12228	21118	12	20	1	7	-	-	-	-	-	-	-	-	-	13	-	
2	Epsom ( <i>part of</i> )* <i>WwH</i>	9971	10710	7	3	2	-	-	-	-	-	-	-	-	-	-	-	-	
37:1	Godstone ( <i>part of</i> ) *	2754	1235	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
38:1	Croydon <i>WwFHL</i>	20851	101241	82	79	16	25	-	3	-	-	6	1	1	2	6	15	-	
2	Mitcham <i>w†</i>	11697	17932	14	6	1	1	-	-	-	-	1	-	-	-	-	-	-	
39:1	Wimbledon <i>HHH</i>	3220	15950	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i>	8549	36354	23	9	2	2	-	-	-	-	-	-	-	-	-	-	-	
3	Esher ( <i>part of</i> ) *	6601	9221	8	6	-	3	-	-	-	-	-	-	-	2	2	-	-	
4	Hampton <i>H</i>	4573	13539	8	9	3	4	-	-	-	-	-	-	-	2	2	-	-	
40:1	Richmond <i>WH</i>	2372	21302	11	8	2	2	-	-	1	-	1	-	-	1	1	2	-	
2	Mortlake	2341	12331	6	7	-	3	-	-	-	-	1	-	-	-	-	-	-	
41:1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15669	81142	23	9	1	3	-	-	-	-	1	-	-	-	-	-	-	
2	Chislehurst( <i>pt.of</i> )* <i>WHH</i>	14807	15844	10	11	2	1	-	-	-	2	-	-	-	-	-	-	-	
42:1	Bexley <i>H</i>	18437	24134	20	13	4	6	-	-	-	-	-	-	-	1	1	-	-	
2	Dartford ( <i>Ww</i> , <i>pts. of</i> )*	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	
124:1	Sanbury <i>w</i>	11055	11685	11	4	3	1	-	-	-	-	-	-	-	1	2	-	-	
2	Staines <i>W</i>	13277	12089	9	5	1	1	-	-	-	-	-	-	-	1	2	1	-	
125:1	Hillingdon <i>WHH</i>	6029	10802	9	4	2	2	-	-	-	-	1	-	-	-	-	-	-	
2	Uxbridge	6178	3225	1	4	2	1	-	1	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i>	14387	11523	6	9	1	4	-	-	-	-	-	-	-	-	-	8	-	
126:1	Isleworth <i>WHH</i>	7008	22727	21	11	2	3	-	-	-	-	-	-	-	-	-	2	-	
2	Twickenham <i>H</i>	2477	12479	7	5	1	2	-	-	-	1	-	-	-	-	-	-	-	
3	Brentford <i>HL</i>	4345	27649	27	15	2	4	-	-	-	1	-	-	-	-	1	-	-	
4	Chiswick	1340	15975	9	5	2	1	-	-	1	-	-	-	-	-	-	-	-	
5	Acton <i>wH</i>	6083	22876	16	9	1	2	-	-	-	-	-	-	-	-	1	-	-	
127:1	Harrow <i>H</i>	13309	12796	6	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i>	6994	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden	4383	27453	35	16	1	-	-	-	-	1	-	-	-	-	1	-	-	
	Hendon <i>W</i>	8382	10484	11	13	5	2	-	-	-	-	1	-	-	-	-	3	-	
137:1	Bushey	9331	6621	6	4	-	1	-	-	-	-	1	-	-	-	-	-	-	
2	Watford ( <i>W</i> , <i>pt. of</i> )*	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
128:1	South Mimms	15599	6391	2	3	-	1	-	-	-	-	-	-	1	-	-	-	-	
2	Barnet	5493	10092	6	5	1	3	-	-	-	-	-	-	-	-	1	1	-	
3	Finchley <i>HL</i>	4688	17615	17	10	1	1	-	-	-	-	-	-	-	-	-	4	-	
135:1	Hatfield ( <i>part of</i> ) *	3306	683	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i>	3039	37078	16	6	-	3	-	-	-	-	-	-	-	1	1	-	-	
2	Tottenham <i>H</i>	4642	46456	73	33	6	12	-	-	-	1	2	1	-	-	-	1	-	
3	Edmonton <i>Ww†</i>	7453	23463	30	10	3	1	-	-	-	-	-	-	-	1	1	1	1	
4	Enfield <i>WH</i>	12653	19104	13	15	3	3	-	-	-	-	-	-	-	1	1	1	-	
5	Waltham Abbey	11017	5343	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt	8480	7735	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138:1	Stratford	882	38606	29	18	5	3	-	-	-	1	1	-	-	-	-	-	-	
2	West Ham <i>wvwvH</i> §	3785	90347	116	92	18	13	-	-	1	-	2	-	-	-	-	-	3	
3	East am §	3236	10706	29	6	2	2	-	-	-	-	1	-	-	-	-	-	1	
4	Leyton <i>WwL</i>	4372	32430	37	29	7	6	-	-	-	-	-	-	-	-	1	7	-	
5	Walthamstow <i>H</i>	6520	28869	28	18	5	7	-	2	1	-	-	-	-	-	-	-	1	
137:1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9639	5	4	2	-	-	1	-	-	-	-	1	-	-	1	-	
2	Epping ( <i>W</i> , <i>pt. of</i> )*	3266	10206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
2	Ilford	8493	7645	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
3	Barking Town	4127	9203	12	4	2	2	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:— 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cudham and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:1, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.



TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 4th January, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											Deaths in Public Institutions.
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
GREATER LONDON	448,334	5,758,500	26·5	2·2	2921	517	790	-	44	19	39	116	15	13	104	561	
INNER LONDON -	77,410	4,421,661	28·0	2·4	2371	398	650	-	36	15	32	98	12	10	91	495	
OUTER RING -	370,924	1,336,839	21·5	1·7	550	119	140	-	8	4	7	18	3	3	13	66	

NOTE.—The area of Greater London is 448,334 acres: of which 4,892 acres are tidal water and foreshore. This area is equal to 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 16,935,747 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.						
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
CALCUTTA - -	433,219	November 16	-	263	31·6	3	-	-	-	-	95	52†
BOMBAY - -	773,196	December 3	368	361	20·6	-	3	-	?	?	97	18
MADRAS - -	398,777	November 15	349	269	35·1	-	1	?	?	?	87	46
PARIS - -	2,260,945	December 28	1317	2334	53·7	3	21	1	32*	17	49	58
BRUSSELS - - with 8 Faubourgs.)	471,606	" 28	243	229	25·3	-	-	-	1	2	1	18
AMSTERDAM -	403,083	" 28	251	190	24·7	-	1	-	5	2	2	-
ROTTERDAM -	197,723	" 28	153	99	25·9	-	-	-	-	3	-	2
THE HAGUE -	153,440	" 28	99	52	17·6	-	-	-	-	2	-	-
COPENHAGEN -	307,000	" 28	187	161	27·4	-	-	2	11	4	-	3
STOCKHOLM -	228,218	" 21	158	181	41·2	-	-	3	1	2	1	7
CHRISTIANIA -	138,300	" 28	68	53	19·9	-	3	-	6	-	-	-
ST. PETERSBURG	842,883	" 14	-	626	38·8	-	18	23	14	4	13	45
BERLIN - -	1,489,672	" 14	893	768	26·2	-	4	7	43	9	8	5
HAMBURG(State)	575,276	" 21	374	271	24·6	-	1	1	11*	3	6	19
DRESDEN - -	264,196	" 21	178	98	19·3	-	1	-	8*	-	-	-
BRESLAU - -	315,000	" 28	171	152	25·1	-	1	2	4*	2	3	5
MUNICH - -	281,000	" 21	190	145	26·5	-	4	-	9*	-	-	13
VIENNA - -	811,434	" 21	491	464	29·7	1	11	2	6	2	2	18
PRAGUE - -	304,356	" 21	-	154	26·4	1	4	5	2	1	1	5
BUDA-PESTH -	452,907	" 21	303	267	30·6	-	2	-	12	-	13	17
TRIESTE - -	158,084	" 21	-	92	30·3	1	2	-	1	-	1	3
ROME - -	407,936	October 19	250	174	22·3	-	1	-	2	2	10‡	21
TURIN (10 days)-	306,398	December 10	-	-	-	-	-	-	-	-	-	-
VENICE - -	154,369	" 21	80	108	36·5	21	-	-	-	-	-	6
CAIRO - -	374,838	" 12	446	370	51·5	-	-	-	5*	4	14	16
ALEXANDRIA -	231,396	" 12	244	176	39·7	3	-	1	-	1	10	39
NEW YORK -	1,571,300	" 14	-	649	21·3	-	3	5	28	5	7	18
BROOKLYN -	834,607	" 14	-	328	20·3	-	-	2	35	2	6	3
PHILADELPHIA -	1,040,245	" 14	-	366	18·4	-	5	8	17	1	11	2
BALTIMORE -	500,343	" 14	-	158	16·5	-	-	-	7	4	4	-
NEW ORLEANS -	254,000	October 26	-	99	20·3	-	-	-	5	1	6	2

\* Including deaths from croup.

† Including 19 deaths from cholera.

‡ Including 7 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, JANUARY 4TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1889-90.		TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a gauge whose receiving surface is 5 inches square from the Ground.		Ozone.	
MONTH AND DAY.		Phases of the Moon.		Of the Air.		Of the Air.		Of the Air.		Of the Air.		Of the Air.		Of the Air.		Of the Air.		Of the Air.		Of the Air.	



# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 2. 1890. VOL. LI.]      WEEK ENDING SATURDAY, JANUARY 11.      [Price 1½d.

*General Register Office, Somerset House,  
13th January, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 28·1 per 1000. The death-rates in each of the last four weeks in the several towns, alphabetically arranged, were:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.		Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.
Birkenhead	14·8	20·4	16·4	17·4	Liverpool -	27·6	26·7	27·5	24·7
Birmingham	26·3	20·4	23·5	24·5	London -	21·8	20·3	28·0	32·4
Blackburn -	33·6	31·4	31·7	21·9	Manchester -	32·1	26·6	32·8	33·8
Bolton -	33·2	21·8	31·1	21·2	Newcastle-on-Tyne*	27·6	26·6	25·0	28·5
Bradford*	23·3	19·3	25·4	24·1	Norwich -	24·8	11·6	19·7	19·7
Brighton -	14·1	20·1	18·1	18·1	Nottingham -	18·9	16·9	17·7	19·4
Bristol -	23·4	21·4	26·3	23·8	Oldham -	24·9	22·7	19·9	24·2
Cardiff*	21·8	19·0	24·1	23·2	Plymouth -	27·4	28·7	26·5	30·4
Derby -	28·1	16·9	22·2	27·4	Portsmouth -	22·5	25·1	28·5	20·4
Halifax -	22·5	23·2	22·2	19·1	Preston -	26·5	27·0	32·2	23·8
Huddersfield	20·8	18·5	16·6	23·8	Salford* -	21·4	24·5	22·6	19·8
Hull -	25·1	25·3	24·6	24·6	Sheffield -	24·6	21·5	24·4	26·6
Leeds -	24·8	25·8	27·1	29·0	Sunderland -	21·8	24·1	21·8	26·4
Leicester*	17·0	19·4	14·5	21·3	Wolverhampton -	30·3	25·3	28·1	19·4

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·6 in Norwich; from *scarlet fever*, 2·6 in Plymouth; from *whooping-cough*, 1·1 in Portsmouth, 1·2 in Liverpool, 1·3 in London and in Wolverhampton, 2·0 in Hull, 2·3 in Bolton, and 3·1 in Bristol; and from "*fever*," 1·1 in Huddersfield. The 40 deaths from *diphtheria* in the twenty-eight towns included 26 in London, 3 in Liverpool, 3 in Salford, and 2 in Manchester. No death from small-pox was registered in any of the twenty-eight great towns.

### LONDON.

In LONDON 2818 BIRTHS and 2747 DEATHS were registered. Allowing for increase of population, the births exceeded by 89, and the deaths by 810, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21·8, 20·3, and 28·0 in the three preceding weeks, further rose last week to 32·4, and exceeded the rate in any week since December 1873, excepting the fifth and sixth weeks of 1880, and the sixth of 1882, when, under the influence of continued cold and fog, the rate rose to 46·7 and 34·5, and 36·7 per 1000 respectively. During the thirteen weeks of last quarter the death-rate averaged only 17·8 per 1000, and was 2·7 below the mean rate in the corresponding periods of the ten years 1879–88.

The 2747 deaths included 24 from measles, 13 from scarlet fever, 26 from diphtheria, 112 from whooping-cough, 11 from enteric fever, one from an ill-defined form of continued fever, 12 from diarrhoea and dysentery, and not one from small-pox, typhus, or cholera; thus, 199 deaths were referred to these diseases, being 42 below the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; but nine years after the last enumeration such an hypothesis is obviously somewhat untrustworthy.



No death from *small-pox* was registered, the corrected average being 12. The 24 fatal cases of *measles* showed a decline, and were 42 below the corrected average. The 13 deaths from *scarlet fever* also showed a decline, and were 24 below the corrected average. The 26 deaths from *diphtheria* were fewer by 6 than the number in the previous week, but were 9 above the corrected average. The fatal cases of *whooping-cough*, which had steadily increased in the seven preceding weeks from 31 to 98, further rose last week to 112, and exceeded the corrected average by 34; 45 occurred in the South and 27 in the East groups of registration districts. The 11 deaths from enteric fever showed a further decline from recent weekly numbers, and were 4 below the corrected average.

The deaths primarily attributed to influenza, which had been 4 in the previous week, rose last week (excluding cases in which influenza was stated only as a "secondary" cause) to 67. The deaths, however, referred to diseases of the respiratory organs, which had been 518, 467, and 843 in the three preceding weeks, further rose last week to 1069, and exceeded the corrected average by 522.

#### GREATER LONDON.

In Greater London 3640 births and 3348 deaths were registered, corresponding to annual rates of 33.0 and 30.3 per 1000 of the estimated population. In the Outer Ring 22 fatal cases of whooping-cough, 6 of measles, 6 of scarlet fever, and 5 of diphtheria, were registered. In Croydon sub-district 4 deaths from whooping-cough and 3 from scarlet fever were registered. Two fatal cases of scarlet fever occurred in Epsom, and 3 of diphtheria in Walthamstow sub-districts.

#### DEATHS BELONGING TO THE SEVERAL SANITARY AREAS OF REGISTRATION LONDON registered in the 13 WEEKS ENDING ON 28TH DECEMBER, 1889.

SANITARY AREAS.	Total Deaths from all Causes.	Deaths from Principal Zymotic Diseases.									Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhea.		
REGISTRATION LONDON	18,987	1	323	261	439	455	7	193	10	253	4345	137
WEST.												
Paddington	452	-	4	3	10	14	-	7	-	6	101	146
Kensington	604	-	3	7	19	11	-	9	-	4	105	117
Hammersmith	427	-	7	15	19	19	-	7	-	4	108	169
Fulham	330	-	10	11	13	13	-	3	-	12	118	162
Chelsea	492	-	18	5	9	19	-	4	-	7	104	147
St. George Hanover Square	271	-	2	6	1	1	-	4	-	7	50	124
Westminster	301	-	1	6	7	6	-	1	-	6	54	151
St. James Westminster	105	-	1	3	-	3	-	3	1	3	22	163
NORTH.												
Marylebone	669	-	9	1	11	11	-	6	-	9	140	131
Hamstead	194	-	1	1	3	5	-	4	-	1	52	143
Pancras	1113	-	24	8	20	29	-	10	1	17	234	132
Islington	1308	-	11	14	24	17	-	22	-	12	302	130
Hackney	863	-	6	16	34	9	-	9	-	10	173	109
CENTRAL.												
St. Giles	221	-	4	1	2	5	-	3	-	3	45	154
St. Martin-in-the-Fields	69	-	-	2	1	1	-	-	-	1	16	281
Strand	142	-	1	-	1	1	-	-	-	-	33	209
Holborn	193	-	-	2	6	-	-	2	-	2	38	165
Clerkenwell	359	-	22	3	5	1	-	4	-	8	88	157
St. Luke's	246	-	10	7	3	2	-	1	-	3	56	124
London City	223	-	2	3	3	2	-	-	-	3	25	159
EAST.												
Shoreditch	663	-	7	20	20	12	1	4	-	17	176	160
Bethnal Green	776	-	46	13	32	34	-	5	-	4	171	148
Whitechapel	408	-	10	-	12	6	-	3	-	11	85	127
St. George-in-the-East	303	-	7	5	10	2	-	2	-	7	74	170
Stepney	387	-	20	8	12	14	1	6	1	9	83	164
Mill End Old Town	651	-	40	23	24	16	-	3	-	8	154	167
Poplar	793	-	1	4	12	13	-	7	3	13	206	142
SOUTH.												
St. Saviour Southwark	147	-	-	4	5	-	-	-	-	3	23	116
St. George Southwark	301	-	2	4	1	9	-	3	-	5	86	164
Newington	561	-	1	16	13	12	-	13	1	3	129	137
St. Olave Southwark	76	-	4	1	-	-	-	-	-	3	14	117
Bermondsey	414	-	8	4	6	5	4	4	-	5	106	135
Rotherhithe	165	-	2	-	3	-	-	-	-	3	44	135
Lambeth	153	-	11	19	27	54	-	12	1	12	233	139
Battersea	517	-	1	7	10	22	-	8	-	6	146	112
Wandsworth	471	-	-	4	12	9	1	5	-	4	92	95
Camberwell	490	-	8	14	20	40	-	9	-	7	240	134
Greenwich	712	-	15	10	9	23	-	4	1	10	171	132
Lewisham (excluding Penge)	223	-	3	1	-	3	-	5	-	3	60	141
Woolwich	295	-	1	1	2	6	-	-	-	1	51	169
Plumstead	310	-	-	2	6	6	-	1	-	1	78	119



In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 27 that occurred outside that area in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylum Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand the deaths of 333 non-residents who died in Public Institutions inside London have been excluded from the Table.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.97 ins.; the lowest reading was 29.58 ins. on Sunday morning, and the highest 30.21 ins. on Tuesday evening. The mean temperature of the *air* was 47.6, and 9.9 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed a considerable excess on each day of the week, the warmest day being Monday. The general direction of the *wind* was S.W., and the horizontal movement of the air averaged 18.8 miles per hour, which was 5.6 miles above the average in the corresponding weeks of 16 years. *Rain* fell on five days of the week, to the aggregate amount of 0.40 of an inch. The duration of registered bright sunshine in the week was 10.1 hours, against 10.5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of DECEMBER 1889; according to their returns 163,651,490 gallons or 743,544 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 216 gallons (98.1 decalitres), being rather less than a *ton* by weight, to each house, and, assuming 7.8 persons to each house, 27.7 gallons (12.6 decalitres) to each person, against 26.4 gallons in December 1888.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	DECEMBER. 1888.	DECEMBER. 1889.	DECEMBER. 1888.	DECEMBER. 1889.
TOTAL SUPPLY . . . . .	746,277	758,556	153,616,885	163,651,490
From Thames . . . . .	359,673	365,574	75,789,338	82,662,756
From Lea and from other Sources . . . . .	386,604	392,982	77,827,547	80,988,734
THAMES.				
Chelsea . . . . .	34,764	35,197	8,839,697	9,557,123
West Middlesex . . . . .	75,095	72,562	14,123,189	15,043,004
Southwark and Vauxhall . . . . .	110,407	111,736	21,084,715	23,208,392
Grand Junction . . . . .	55,093	55,870	15,898,537	16,828,037
Lambeth . . . . .	83,314	90,209	15,841,800	18,026,200
LEA AND OTHER SOURCES.				
New River . . . . .	151,775	153,133	28,656,000	29,919,000
East London . . . . .	163,368	166,619	38,591,415	39,629,964
Kent . . . . .	71,461	73,230	10,580,134	11,439,770

*Note.*—The Return for December 1889, as compared with that for the corresponding month of 1888, shows an increase of 12,279 houses, and of 10,034,605 gallons of water supplied daily.

#### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING DECEMBER.

*Water-analysis Laboratory, The Yews, Reigate,  
8th January, 1890.*

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of December.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.6, New River 0.8, Colne Valley 1.2, Tottenham 1.5, West Middlesex 2.4, Southwark 2.5, Lambeth 2.6, Grand Junction 2.7, Chelsea and East London 3.0.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was in every case of better quality than that delivered in November. All these Companies supplied efficiently filtered water.

The water obtained chiefly from the River Lea by the New River Company was again of high organic purity, whilst that drawn from the same source, but lower down the stream, by the East London Company was of the same quality as the worst of the Thames waters. Both waters were efficiently filtered.



The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity, the Kent supply being again especially distinguished in this respect. All these waters were clear and bright, that of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances:—Kent, Colne Valley, Tottenham, and New River, clear and colourless; the remaining waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and bluish-green in a two-foot tube. The organic carbon and nitrogen compare very favourably with any of the samples examined during the year."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

The Registrar General, &c. &c.

I am, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.									
	Chelsea . . . { December 9th, Cab Rank, Horse Guards, Whitehall. }	5·3	31·10	·144	·034	0	·273	·307	1·9	21·5
	West Middlesex . { December 9th, Cab Rank, Portland-road. }	4·7	31·42	·117	·025	0	·285	·310	1·9	22·1
	Southwark . . . { December 9th, Cab Rank, Bricklayers Arms, Old Kent-road. }	5·0	31·76	·127	·021	0	·259	·280	1·9	22·7
	Grand Junction . { December 9th, Cab Rank, Uxbridge-road, near Marble Arch. }	5·2	31·86	·136	·026	0	·311	·337	1·9	22·7
	Lambeth . . . { December 9th, Cab Rank, St. George's- road, Southwark. }	4·3	32·10	·129	·027	0	·303	·330	1·9	22·4
	LEA.									
Outer Circle.	New River . . . { December 9th, Cab Rank, Tottenham Court-road. }	3·9	33·00	·089	·011	0	·365	·376	1·8	23·9
	East London . . { December 9th, Fire Brigade Station, Commercial-road, E. }	4·4	36·10	·142	·037	0	·283	·320	2·0	26·3
	DEEP WELLS.									
	Kent . . . . . { December 9th, Mill Lane, Deptford. }	12·2	42·60	·024	·011	0	·523	·534	2·6	31·4
	Colne Valley . . { December 21st, Bushey. }	—	17·30	·053	·015	·002	·425	·442	2·1	6·7
	Tottenham . . . { December 19th, Tottenham. }	—	46·00	·072	·017	·045	·473	·527	3·3	27·5
	Corporation of Birming- ham* . . . . . { December 11th, 3 Court, Clark Street, }	7·2	28·16	·117	·015	·002	·330	·346	1·8	16·4
	Corporation of Glasgow†, { December 16th, Loch Katrine Water. }	5·8	2·60	·129	·029	0	·003	·032	·75	1·11
Column 1.		3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to read thus:—the Chelsea Company's water, collected on the 9th December, at the Horse Guards cab-rank, had a temperature of 5°·3 C.; 100,000 lbs. of it contained 31·10 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·144 lb. of carbon and ·034 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·273 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·307 lb. The above weight of water also contained 1·9 lbs. of chlorine; and 21·5 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.



TABLE 3.—BIRTHS, DEATHS, AND METEOROLOGY IN 23 GREAT TOWNS, during the Week ending 11th January, 1890.

CITIES AND BOROUGHES.	Registered during the Week ending 11th Jan., 1890.			The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGHES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	1.	2.	3.	Deaths of		Deaths from						Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.	Annual Rate per 1000, corresponding to the Week & Deaths		Mean.		In Inches.		In Centi- metres.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.				Diarrhoea.	Violence.	From All Causes.	From Diseases in Cols. 6-12.				Highest.	Lowest.	Fahrenheit.	Centigrade.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the SECOND Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*†	1890
<b>TOTAL Births</b>	2595	2486	2665	2803	2681	2876	2695	2623	2556	2671	2906·7	2818
Males . .	1328	1268	1362	1425	1370	1503	1363	1333	1293	1329	1480·2	1484
Females .	1267	1218	1303	1383	1311	1373	1332	1290	1263	1342	1426·5	1334
<b>TOTAL Deaths</b>	1730	1604	1737	1567	1493	1855	1902	1860	1940	2075	1937·0	2747
Males . .	852	816	873	777	758	899	942	893	961	1023	959·0	1436
Females .	878	788	864	790	735	956	960	967	979	1052	978·0	1311

\* The numbers in this column are the average weekly numbers in the second weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Oct. 19.	Oct. 26.	Nov. 2.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.
<b>TOTAL Births</b> - -	2518	2580	2623	2658	2522	2517	2321	2270	2535	2513	1815	2961	2818
<b>TOTAL Deaths</b> - -	1410	1310	1317	1350	1451	1375	1443	1683	1768	1816	1690	2371	2747
<b>Ages at Death</b>													
{ 0-20 years -	590	562	599	606	667	660	647	713	719	723	651	834	939
{ 20-40 " -	209	163	200	181	188	176	184	196	227	216	220	346	367
{ 40-60 " -	274	250	209	245	254	259	266	294	312	348	332	541	670
{ 60-80 " -	272	283	253	265	265	222	292	392	418	424	396	552	640
{ 80 years & upwards	65	52	56	53	77	55	59	83	92	105	91	98	131
<b>"</b>													
{ Under 1 year -	320	276	323	310	343	335	333	353	375	364	326	398	430
{ 1-5 -	187	200	212	209	235	233	227	265	247	261	232	310	375
{ 5-20 -	183	86	64	87	89	93	87	95	97	98	93	126	134
<b>Deaths from Small-pox</b> - -	-	-	-	1	-	-	-	-	-	-	-	-	-
" " Measles - -	23	17	22	20	33	33	18	41	30	35	29	36	24
" " Scarlet fever - -	25	27	20	23	24	17	19	24	12	22	14	15	13
" " Diphtheria - -	41	37	31	23	38	30	33	47	35	27	26	32	26
" " Whooping-cough - -	26	22	21	24	37	31	44	47	49	60	67	98	112
" " Typhus - -	1	1	-	-	1	-	-	-	1	2	-	-	-
" " Enteric fever - -	11	21	19	11	20	22	15	8	15	12	13	12	11
" " Simple Cont'd fever - -	2	1	-	-	2	2	1	2	-	-	-	-	1
" " Diarrhoea and Dysentery - -	22	15	17	17	16	17	12	12	14	13	19	10	12
" " Cholera - -	-	-	-	1	-	-	-	-	-	-	-	-	-
" " all the above-mentioned Diseases - -	151	141	130	120	169	152	142	181	155	170	170	203	199
" " Dis. of Respiratory System - -	300	281	300	318	321	328	345	432	552	518	467	843	1069
" " Phthisis - -	184	141	125	141	154	169	183	161	182	161	180	247	267
" " Dis. of Circulatory System - -	115	115	104	122	121	113	126	165	163	189	158	222	275
<b>Violent Deaths</b> - -	57	49	59	51	65	57	53	56	55	69	47	91	55
<b>Inquest Cases</b> - -	112	101	123	97	122	114	113	128	124	156	121	195	192
<b>Deaths in Public Institutions</b>	332	319	309	313	363	314	336	358	422	419	400	495	535
<b>TEMPERATURE OF THE AIR</b>													
Mean - -	49·4	46·7	47·3	47·3	46·8	44·9	37·6	32·1	38·1	43·5	39·8	32·8	47·6
Mean of Highest readings - -	57·8	53·7	54·0	53·3	52·7	48·2	43·4	35·8	42·5	47·3	44·0	36·7	52·4
Mean of Lowest readings - -	41·6	41·5	41·4	40·8	41·0	41·3	32·0	27·8	31·9	38·1	35·2	28·5	43·0
<b>Humidity of the Air</b> - -	88	94	88	90	93	94	84	85	92	94	90	97	89
<b>Rain-fall in inches</b> - -	0·70	1·07	0·78	0·26	0·01	0·13	0·32	0·23	0·23	0·33	0·61	0·11	0·40
<b>Registered Sunshine (in hours)</b>	17·3	8·1	23·1	8·9	11·9	0·0	5·9	8·4	4·4	2·1	3·2	5·0	10·1

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., L.L.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whiteledge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIlainsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.



TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the SECOND Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 2nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 11th January 1890.								CAUSES OF DEATH.	Corrected Averages for the 2nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 11th January 1890.							
		Deaths of Persons of the Ages										Deaths of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
		0-1.	1-5.	5-20.							0-1.	1-5.	5-20.						
ALL CAUSES - -	1937.0	2747	430	375	134	367	670	640	131										
Small-pox { Vaccinated† - - - - -	12.0 {	-	-	-	-	-	-	-	-										
Unvaccinated - - - - -		-	-	-	-	-	-	-	-										
No Statement		-	-	-	-	-	-	-	-										
Measles - - - - -	66.2	24	3	20	1	-	-	-	-										
Scarlet Fever - - - - -	37.0	13	1	9	3	-	-	-	-										
Cyphus - - - - -	0.8	-	-	-	-	-	-	-	-										
Relapsing Fever † - - - - -	0.0	-	-	-	-	-	-	-	-										
Influenza - - - - -	0.2	67	2	1	1	24	28	9	2										
Whooping-cough - - - - -	77.5	112	37	64	11	-	-	-	-										
Diphtheria - - - - -	17.0	26	-	17	8	1	-	-	-										
Simple Continued and Ill-defined Fever - - - - -	2.5	1	-	-	1	-	-	-	-										
Enteric Fever - - - - -	15.0	11	1	1	7	2	-	-	-										
Cholera - - - - -	0.2	-	-	-	-	-	-	-	-										
Diarrhoea, Dysentery - - - - -	12.9	12	8	2	-	-	-	1	1										
Remittent Fever - - - - -	0.7	-	-	-	-	-	-	-	-										
Hydrophobia - - - - -	0.1	-	-	-	-	-	-	-	-										
Randlers - - - - -	0.0	-	-	-	-	-	-	-	-										
Scowpox and Effects of Vaccination † - - - - -	0.3	-	-	-	-	-	-	-	-										
General Affections - - - - -	12.6	11	6	3	-	-	-	2	-										
Erysipelas - - - - -	9.3	2	-	-	-	-	2	-	-										
Pyæmia and Septicæmia † - - - - -	1.9	-	-	-	-	-	-	-	-										
Interperal Fever - - - - -	9.5	4	-	-	-	3	1	-	-										
Other Zymotic Diseases † - - - - -	1.7	1	-	-	-	-	1	-	-										
Starvation, Want of Breast-milk † - - - - -	1.9	-	-	-	-	-	-	-	-										
Alcoholism - - - - -	5.3	21	-	-	-	9	10	1	1										
Rheumatic Fever, Rheumatism of Heart† - - - - -	10.5	10	-	-	1	3	5	1	-										
Gout - - - - -	2.7	3	-	-	-	-	1	2	-										
Eclampsia † - - - - -	3.8	1	-	-	-	-	1	-	-										
Cholera † - - - - -	2.7	5	1	3	1	-	-	-	-										
Cancer - - - - -	52.6	66	-	1	-	5	28	30	2										
Scabs Mesenterica - - - - -	24.4	19	12	6	1	-	-	-	-										
Tubercular Meningitis - - - - -	21.4	23	5	12	3	2	1	-	-										
Phthisis - - - - -	183.5	267	-	3	22	114	112	16	-										
Scrophula, Tuberculosis - - - - -	16.0	14	2	5	3	4	-	-	-										
Other Constitutional Diseases † - - - - -	13.3	16	-	-	2	3	4	6	1										
Premature Birth - - - - -	37.0	65	65	-	-	-	-	-	-										
Electrolysis † - - - - -	1.9	2	2	-	-	-	-	-	-										
Congenital Malformations - - - - -	8.7	7	7	-	-	-	-	-	-										
Old Age - - - - -	65.6	70	-	-	-	-	33	34	-										
Apoplexy - - - - -	52.9	68	-	2	-	2	21	36	7										
Emphysema - - - - -	6.5	11	-	-	1	1	5	3	1										
Convulsions - - - - -	54.7	68	47	10	1	-	-	-	-										
Other Diseases of Brain and Nervous System - - - - -	98.6	116	19	17	5	10	17	34	14										
Diseases of Organs of Special Sense † - - - - -	2.4	1	-	1	-	-	-	-	-										
Diseases of Circulatory System - - - - -	140.0	275	2	1	13	35	98	116	10										
Croup - - - - -	16.9	17	1	14	2	-	-	-	-										
Bronchitis - - - - -	332.3	715	91	100	8	46	177	233	40										
Pneumonia - - - - -	122.9	253	35	50	16	63	70	16	3										
Pleurisy - - - - -	6.4	10	-	-	1	2	5	2	-										
Other Diseases of Respiratory System - - - - -	48.2	74	6	7	1	8	20	27	5										
Dentition † - - - - -	15.3	16	5	11	-	-	-	-	-										
Quinsy, Sore Throat † - - - - -	1.9	3	-	-	2	-	1	2	-										
Enteritis - - - - -	8.1	9	3	-	2	-	2	2	-										
Peritonitis - - - - -	7.2	4	-	-	1	2	1	1	-										
Diseases of Liver - - - - -	29.7	23	-	-	-	2	16	6	-										
Other Diseases of Digestive System - - - - -	34.3	45	11	3	3	5	9	11	3										
Diseases of Lymphatic System & of Ductless Glands † - - - - -	3.4	-	-	-	-	-	-	-	-										
Diseases of Urinary System - - - - -	43.1	43	-	1	2	2	17	19	2										
Diseases of Generative System - - - - -	5.8	5	-	1	-	3	1	-	-										
Accidents of Childbirth - - - - -	4.5	4	-	-	-	4	-	-	-										
Diseases of Locomotive System † - - - - -	8.5	12	-	1	4	3	1	3	-										
Diseases of Integumentary System - - - - -	5.5	7	2	-	-	-	3	1	1										
VIOLENT DEATHS.‡																			
(ACCIDENT.)																			
Fracture and Contusion - - - - -	22.6	18	-	2	1	1	7	4	3										
Gunshot Wound - - - - -	0.1	-	-	-	-	-	-	-	-										
Cut, Stab - - - - -	0.7	-	-	-	-	-	-	-	-										
Burn and Scald - - - - -	10.7	11	1	4	4	-	-	1	1										
Poison - - - - -	1.3	1	-	-	-	-	-	-	-										
Drowning - - - - -	4.9	3	-	-	-	2	1	-	-										
Suffocation - - - - -	14.9	14	13	1	-	-	-	-	-										
Otherwise - - - - -	2.5	1	-	-	-	1	-	-	-										
(HOMICIDE.)																			
Murder & Manslaughter - - - - -	1.3	1	-	-	-	1	-	-	-										
(SUICIDE.)																			
Gunshot Wound - - - - -	0.8	-	-	-	-	-	-	-	-										
Cut, Stab - - - - -	2.0	2	-	-	-	1	-	1	-										
Poison - - - - -	2.0	-	-	-	-	-	-	-	-										
Drowning - - - - -	1.1	-	-	-	-	-	-	-	-										
Hanging - - - - -	1.5	1	-	-	-	-	1	-	-										
Otherwise - - - - -	0.8	3	-	-	-	1	1	1	-										
(EXECUTION.)																			
Hanging - - - - -	0.1	-	-	-	-	-	-	-	-										
OTHER CAUSES † - - - - -	67.9	48	40	2	2	2	1	1	-										

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical man, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE E. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																				
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total BIRTHS	Total DEATHS.	Deaths of		Deaths from												Deaths in Public Institutions.	Un- classified Causes.
					Infants under 1 Year of Age.	Persons aged 60 Years and upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON		3,815,704	2818	2747	430	771	-	24	13	26	112	-	11	1	12	55	192	535		
WEST DISTRICTS		689,683	446	471	82	139	-	1	3	4	21	-	-	-	2	7	29	117		
NORTH DISTRICTS		905,947	621	579	86	194	-	6	3	9	19	-	1	1	2	12	44	98		
CENTRAL DISTRICTS		282,238	143	214	31	55	-	5	1	2	-	-	2	-	-	9	21	50		
EAST DISTRICTS		692,738	551	619	80	149	-	9	2	4	27	-	4	-	5	8	87	142		
SOUTH DISTRICTS		1,365,148	1057	864	151	234	-	3	4	7	45	-	4	-	3	19	41	128		
METROPOLITAN ASYLUM Hos- PITALS OUTSIDE REGISTRATION LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WEST DISTRICTS.																				
St. Mary Paddington WHH G.J. & W.M.		69898	68	56	14	24	-	-	-	1	5	-	-	-	-	-	3	4		
St. John Paddington H - - G.J.		37830	10	23	-	10	-	-	-	-	-	-	-	-	-	-	-	7		
Kensington Town W - - W.M.		120141	77	70	12	29	-	-	-	-	2	-	-	-	1	3	20	-		
Brompton H - - W.M. & C.		49010	11	19	1	5	-	-	-	-	-	-	-	-	-	2	3	-		
St. Peter Hammersmith - - W.M.		7899	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.		64340	55	43	8	13	-	-	3	2	3	-	-	-	1	3	2	-		
Fulham W - - W.M. & C.		42900	78	59	18	7	-	-	-	-	1	-	-	-	-	2	14	-		
Chelsea South HHH - - C.		30896	17	19	5	3	-	1	-	-	1	-	-	-	2	5	3	-		
Chelsea North-west WHHHHH C.		24925	8	40	8	10	-	-	-	-	1	-	-	-	1	4	21	-		
Chelsea North-east - - C.		32807	23	23	3	6	-	-	-	-	3	-	-	-	1	2	-	-		
May Fair W - - G.J.		80353	8	24	3	9	-	-	-	-	-	-	-	-	1	2	12	-		
Belgrave WHHH - - C.		59220	27	27	2	5	-	-	1	1	-	-	-	-	-	-	15	-		
St. John Westminster HHH - - C.		35496	30	21	2	7	-	-	-	-	2	-	-	-	-	-	2	-		
St. Margaret Westminster H - - C.		24679	9	18	1	3	-	-	-	-	-	-	-	-	-	-	1	11		
St. James Westminster WHH N.R. & G.J.		29941	14	15	2	6	-	-	-	-	-	-	-	-	-	-	1	2		
St. Anne Soho HHHHHH - N.R.		16908	8	12	2	1	-	-	-	-	-	-	-	-	-	-	1	1		
NORTH DISTRICTS.																				
All Souls Marylebone HHHHH W.M.		26759	11	19	1	5	-	-	-	-	-	-	-	-	-	1	2	8		
Cavendish Square HHHH - - W.M.		14891	6	10	1	1	-	-	-	-	-	-	-	-	-	-	2	-		
Rectory Marylebone WH G.J. & W.M.		24809	20	9	1	4	-	-	-	-	-	-	-	-	-	-	-	3		
St. Mary Marylebone HHH G.J. & W.M.		21118	26	10	2	4	-	-	-	1	-	-	-	-	-	-	-	-		
Christchurch Marylebone HHH W.M.		33700	15	21	4	10	-	-	-	-	-	-	-	-	1	-	-	-		
St. John Marylebone H - - W.M.		59683	24	17	4	5	-	-	-	2	-	-	-	-	-	1	3	-		
Hampstead WWHHHH N.R. & W.M.		45452	36	25	8	9	-	-	1	1	1	-	-	-	-	1	4	-		
Regent's Park Pancras H - - W.M.		59115	19	22	4	11	-	1	-	1	-	-	-	-	1	-	3	-		
Tottenham-court WHHHH N.R. & W.M.		27729	10	25	6	5	-	-	-	2	-	-	-	-	-	2	4	9		
Gray's Inn Lane HHH - - N.R.		80247	14	23	7	3	-	-	-	-	-	-	-	-	-	-	3	3		
Somers Town H - - N.R.		54369	23	23	7	3	-	2	-	-	-	-	-	-	-	-	-	-		
Camden Town WH - - N.R.		17811	11	22	1	18	-	-	-	-	-	-	-	-	1	3	21	-		
Kentish Town W - - N.R.		67437	58	34	8	13	-	-	-	-	2	-	-	-	-	-	1	3		
Upper Holloway WWHH - - N.R.		67949	59	63	5	27	-	-	3	4	-	-	-	-	-	3	25	-		
Islington South-west HH - - N.R.		100976	65	67	7	18	-	-	-	3	-	1	1	-	-	1	3	-		
Islington South-east - - N.R.		61825	40	38	6	8	-	1	-	-	-	-	-	-	-	1	3	-		
Highbury H - - N.R.		52048	31	25	3	9	-	1	-	-	1	-	-	-	-	1	1	1		
Stoke Newington H - - N.R.		22791	16	12	2	7	-	-	-	-	-	-	-	-	-	-	-	1		
Stamford Hill - - E.L.		9277	5	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney H - - N.R.		37610	27	20	3	7	-	-	-	-	-	-	-	-	-	-	2	1		
Hackney WWHH - - E.L. & N.R.		76911	65	55	7	17	-	1	2	3	3	-	-	-	2	4	13	-		
South Hackney - - E.L.		39883	40	20	3	5	-	1	-	-	-	-	-	-	1	3	-	-		
CENTRAL DISTRICTS.																				
St. George Bloomsbury - - N.R.		16681	10	10	-	5	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - - N.R.		14864	12	19	5	2	-	-	-	-	-	-	-	-	-	1	4	10		
St. Giles North - - N.R.		13837	4	8	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. Martin-in-the-Fields HH N.R. & C.		17509	3	9	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Mary-le-Strand H - - N.R.		7515	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Danes H - - N.R.		8559	2	11	1	2	-	-	-	-	-	-	-	-	-	1	2	7		
Strand Union Workhouse, Edmonton w.		-	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	3		
St. Geo.-the-Martyr HHHHHH N.R.		18671	13	16	2	7	-	-	-	-	-	-	-	-	-	-	-	4		
St. Andrew Eastern W - - N.R.		10706	7	7	2	-	-	-	1	-	-	-	-	-	-	-	1	-		
Saffron Hill H - - N.R.		6538	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - - N.R.		17516	11	6	2	1	-	-	-	-	-	-	-	-	-	1	1	-		
Amwell Clerkenwell - - N.R.		19281	9	15	2	3	-	-	-	-	-	-	-	-	-	-	2	-		
Pentonville - - N.R.		14773	14	11	3	4	-	-	-	-	-	-	-	-	-	-	-	-		
Goswell-street - - N.R.		17506	9	14	2	7	-	1	-	-	-	-	-	-	-	1	1	-		
Old-street H - - N.R.		11541	7	11	1	2	-	1	-	-	-	-	-	-	-	-	1	-		
City-road HHL - - N.R.		18628	16	12	3	4	-	1	-	-	-	-	-	-	-	-	-	-		
Whitecross-street - - N.R.		9217	10	1	2	1	-	1	-	-	-	-	-	-	-	1	2	-		
Finsbury - - N.R.		7463	1	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham, w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1		
St. Botolph H - - N.R. & E.L.		11174	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate - - N.R.		7193	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - - N.R.		6538	1	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. Bride W - - N.R.		8396	3	5	-	2	-	-	-	-	-	-	-	-	-	5	6	25		
Alhallowa Barking - - N.R.		13666	2	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - - N.R.		5652	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving inmates from other Districts than that in which it stands; see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J., Grand Junction Company; W.M., West Middlesex; C., Chelsea; S., Southwark and Vauxhall; L., Lambeth; N.R., New River; E.L., East London and Kent, the Kent Company.



VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
Sunday, 11th January, 1890.

REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Deaths.	The DEATHS registered in the Week include												Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
				Deaths of	Deaths from													
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhœa.	Violence.			
EAST DISTRICTS.																		
Lywelly Shoreditch	N.R. & E.L.	7376	6	4	1	-	2	-	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch	HL*	14967	13	13	3	1	-	-	-	-	-	-	-	-	-	-	-	-
St. John's New Town	-	29937	17	28	4	6	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Old Town	-	28038	30	20	4	1	-	-	1	-	-	-	-	-	-	-	-	-
St. George's	WH	46276	43	45	4	11	-	-	1	6	-	-	-	1	-	2	3	1
St. John's Green North	H	51157	42	40	7	11	-	2	-	3	-	1	-	-	-	4	-	-
St. John's Green South	-	34399	36	31	6	-	-	1	1	-	-	-	-	1	-	2	-	-
St. John's Green East	WHL*	41405	33	46	2	11	-	-	-	-	-	-	-	-	-	1	20	-
St. John's Fields	-	22585	15	21	4	5	-	-	-	1	-	1	-	-	-	5	-	-
St. John's End New Town	W	15473	15	34	3	10	-	1	-	-	-	-	-	-	-	1	13	-
St. John's Whitechapel Church	H	17490	9	34	4	-	-	-	-	2	-	-	-	-	-	2	21	-
St. John's St. John's Fields	-	9713	4	8	1	-	-	-	-	-	-	-	-	-	-	1	-	-
St. John's St. George's	-	6102	4	8	3	-	-	-	-	1	-	1	-	-	-	1	-	-
St. George's, North	-	38747	30	21	4	3	-	-	-	1	-	-	-	-	-	2	-	-
St. John, St. George East	W	8410	3	17	-	11	-	-	-	-	-	-	-	-	-	-	21	-
St. John's End	H	10325	4	13	2	5	-	-	-	1	-	-	-	1	-	-	3	-
St. John's End	-	18107	11	10	-	2	-	-	-	1	-	-	-	-	-	-	-	-
St. John's End	-	32041	23	21	2	6	-	-	-	1	-	-	-	-	-	1	4	-
St. John's End Old Town West	H	37960	37	25	6	5	-	1	1	1	-	1	-	-	-	3	14	-
St. John's End Old Town East	W	67653	51	61	7	23	-	1	1	4	-	-	-	1	-	-	-	-
St. John's End	W	37074	25	26	2	5	-	1	-	2	-	-	-	-	2	4	3	-
St. John's End	H	64859	57	50	4	12	-	-	1	-	-	-	-	-	1	5	20	-
St. John's End	W	65077	43	38	8	12	-	-	-	2	-	-	-	1	-	6	6	-
SOUTH DISTRICTS.																		
St. John's Southwark	WH	18663	7	7	2	3	-	-	-	-	-	-	-	-	-	-	2	-
St. John's Saviour Southwark	-	14999	9	9	1	3	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	-	21381	19	13	4	4	-	-	-	2	-	-	-	-	-	1	-	-
St. John's Kent-road	HL	15953	16	11	4	4	-	-	1	-	-	-	-	-	-	1	3	-
St. John's Kent-road	W	21318	16	13	1	5	-	-	-	-	-	-	-	-	-	1	3	-
St. John's Kent-road	HL	26672	14	12	1	2	-	-	-	-	-	-	-	-	-	1	-	-
St. John's Kent-road	W	59555	50	35	7	8	-	-	-	1	-	-	-	-	-	2	4	-
St. John's Kent-road	W	21623	14	11	4	4	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	11956	9	20	3	5	-	-	-	-	-	-	-	-	6	7	13	-
St. John's Kent-road	W	16900	9	9	2	2	-	-	-	-	-	-	-	-	-	1	-	-
St. John's Kent-road	W	15669	16	8	-	10	-	-	-	-	-	-	-	-	-	-	5	-
St. John's Kent-road	W	54682	42	30	4	13	-	-	-	-	-	-	-	-	-	1	-	-
St. John's Kent-road	W	36024	39	38	8	11	-	-	-	-	-	-	-	-	2	2	6	3
St. John's Kent-road	W	15195	7	12	2	6	-	-	-	-	-	-	-	-	-	1	-	-
St. John's Kent-road	W	16321	19	12	3	5	-	-	-	-	-	-	-	-	-	1	2	-
St. John's Kent-road	W	19876	15	21	1	2	-	-	-	-	-	-	-	-	3	5	11	-
St. John's Kent-road	W	39859	47	40	7	10	-	-	-	3	-	-	-	-	2	1	18	-
St. John's Kent-road	W	45232	29	25	4	9	-	-	1	1	-	-	-	-	-	1	-	-
St. John's Kent-road	W	35332	18	15	2	6	-	-	1	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	62357	40	28	8	7	-	-	2	-	-	-	-	-	-	-	2	-
St. John's Kent-road	W	19017	11	9	2	2	-	-	-	2	-	-	-	-	-	-	-	-
St. John's Kent-road	W	54675	60	38	9	8	-	-	1	7	-	-	-	-	1	4	-	-
St. John's Kent-road	W	52537	43	50	9	6	-	-	1	5	-	1	-	-	2	10	-	-
St. John's Kent-road	W	36380	18	21	7	7	-	-	-	2	-	-	-	1	-	-	-	-
St. John's Kent-road	W	28004	31	20	3	10	-	-	-	-	-	-	-	-	1	1	2	-
St. John's Kent-road	W	13235	14	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	25553	25	21	4	10	-	-	-	1	-	-	-	-	-	-	-	-
St. John's Kent-road	W	5590	2	2	-	1	-	-	-	-	-	-	-	-	1	1	-	-
St. John's Kent-road	W	59104	64	55	6	18	-	-	1	1	-	-	-	-	1	-	26	-
St. John's Kent-road	W	71089	64	60	16	11	-	-	-	8	-	1	-	-	-	-	3	-
St. John's Kent-road	W	50810	41	31	6	7	-	-	-	1	-	1	-	-	-	-	-	-
St. John's Kent-road	W	78752	77	43	8	12	-	-	1	2	-	-	-	-	-	-	3	-
St. John's Kent-road	W	7901	4	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	21972	16	18	2	6	-	-	-	2	-	1	-	-	-	-	-	-
St. John's Kent-road	W	24603	26	31	3	9	-	-	1	-	-	-	-	-	1	1	13	-
St. John's Kent-road	W	5048	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	21559	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	19885	13	10	1	6	-	-	-	-	-	-	-	-	-	-	2	-
St. John's Kent-road	W	26076	23	11	2	4	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	10930	5	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	17617	15	7	1	1	-	-	-	1	-	-	-	-	-	-	-	-
St. John's Kent-road	W	19043	13	13	3	-	-	-	-	2	-	-	-	-	-	-	-	-
St. John's Kent-road	W	14009	13	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	19241	29	17	-	5	-	-	-	1	-	-	-	-	-	-	2	-
Metropolitan Asylum Hospitals:																		
St. John's Kent-road	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John's Kent-road	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by :-

Marplebone Infirmary in Kensington Town sub-district.  
Central London Sick Asylum in Tottenham Court-road sub-district.  
Holborn Infirmary in Upper Holloway sub-district.  
London City Workhouse in Hackney sub-district.  
Holborn " in Hoxton New Town sub-district.  
Whitechapel " in Mile End Old Town Eastern sub-dist.  
London City " in Mile End Old Town Eastern sub-dist.  
and Bromley sub-district.  
Stepney Workhouse in Bromley sub-district.  
Poplar & Stepney Sick Asylum " in West Battersea sub-district.  
Westminster Union Industrial School in West Battersea sub-district.  
St. Saviour's Infirmary in Camberwell sub-district.  
Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London, Strand and Holborn Workhouses outside Registration London.

\* Private Lunatic Asylums in which paupers are received.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION: BIRTHS and DEATHS registered during the Week ending Saturday, 11th January, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include														
						Deaths of		Deaths from										Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.					
LONDON—OUTER RING		370,924	950,957	822	603	115	184	-	6	6	5	22	2	1	10	22	67	10		
30: 1	Carshalton <i>wL</i>	-	12228	21118	10	5	-	-	-	-	-	-	-	-	-	-	-	3		
2	Epsom (part of) * <i>WwH</i>	-	9971	10710	2	6	-	3	-	2	-	-	-	-	-	1	1	5		
37: 1	Godstone (part of) * <i>-</i>	-	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
38: 1	Croydon <i>WwFHI</i>	-	20851	101241	54	33	11	11	-	3	-	4	-	-	-	2	5	1		
2	Mitcham <i>w†</i>	-	11697	17932	15	5	1	3	-	-	-	-	-	-	-	1	-	-		
39: 1	Wimbledon <i>HHH</i>	-	3220	15950	20	10	2	3	-	-	-	-	-	-	-	-	-	1		
2	Kingston <i>WHH</i>	-	8549	36354	21	29	7	13	-	-	-	-	-	-	-	1	6	-		
3	Esher (part of) * <i>-</i>	-	8601	9221	11	2	1	-	-	-	-	-	-	-	1	1	-	-		
4	Hampton <i>H</i>	-	4373	13539	9	9	2	4	-	-	-	-	-	-	1	1	-	-		
40: 1	Richmond <i>WH</i>	-	2372	21302	12	16	2	10	-	-	-	-	-	-	-	1	2	-		
2	Mortlake <i>-</i>	-	2941	12331	6	10	2	-	-	-	-	2	1	-	-	-	-	-		
41: 1	Bromley (pt. of) * <i>HH</i>	-	15669	31142	21	10	3	4	-	-	-	-	-	-	-	-	1	-		
2	Chislehurst (pt. of) * <i>WHH</i>	-	14307	15344	12	12	5	5	-	1	1	-	-	-	-	2	-	-		
42: 1	Bexley <i>H</i>	-	18437	24134	20	7	1	3	-	-	-	-	-	-	-	-	-	2		
2	Dartford (Ww, pts. of) * <i>-</i>	-	-	-	-	2	1	1	-	-	-	-	-	-	-	-	2	-		
124: 1	Sunbury <i>w</i>	-	11055	11685	10	4	1	2	-	-	-	-	-	-	-	-	-	-		
2	Staines <i>W</i>	-	13277	12089	5	9	1	4	-	-	-	-	-	-	1	2	3	-		
125: 1	Hillingdon <i>WHH</i>	-	6029	10802	8	5	-	3	-	-	-	-	-	-	-	-	-	-		
2	Uxbridge <i>-</i>	-	6178	5225	3	3	1	-	1	-	-	-	-	-	-	-	-	-		
3	Hayes <i>wHL</i>	-	14337	11523	4	15	2	3	-	-	-	-	-	-	-	-	9	-		
126: 1	Isleworth <i>WHH</i>	-	7008	22727	21	9	2	5	-	-	-	-	-	-	-	-	3	-		
2	Twickenham <i>H</i>	-	2477	19479	7	10	1	3	-	-	-	1	-	-	1	1	1	-		
3	Brentford <i>HL</i>	-	4345	27649	23	16	4	4	1	-	-	-	-	-	-	-	-	-		
4	Chiswick <i>-</i>	-	1340	15975	12	4	2	2	-	-	-	1	-	-	-	-	-	-		
5	Acton <i>wH</i>	-	6083	22576	14	12	3	3	-	-	-	-	-	-	1	2	-	-		
127: 1	Harrow <i>H</i>	-	13809	12796	9	7	1	3	-	-	-	-	-	-	-	-	-	-		
2	Edgware <i>H</i>	-	6994	3749	2	2	1	-	-	-	-	-	-	-	-	1	-	-		
3	Willesden <i>-</i>	-	4383	27453	31	21	3	4	-	-	-	1	-	-	1	2	-	2		
	Hendon <i>W</i>	-	8382	10494	10	8	-	1	-	-	-	-	-	-	-	-	-	-		
137: 1	Bushey <i>-</i>	-	9331	6621	5	3	1	1	-	-	-	-	-	-	-	-	-	-		
2	Watford (W, pt. of) * <i>-</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
128: 1	South Mimms <i>-</i>	-	15599	6391	4	2	-	1	-	-	-	-	-	-	-	-	-	-		
2	Barnet <i>-</i>	-	5493	10092	2	4	1	2	-	-	-	1	-	-	-	-	-	-		
3	Finchley <i>HL</i>	-	4698	17615	21	16	1	6	-	-	-	-	-	-	1	1	8	-		
135: 1	Hatfield (part of) * <i>-</i>	-	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
129: 1	Hornsey <i>H</i>	-	3039	37078	33	22	4	7	-	-	-	-	-	-	-	-	-	-		
2	Tottenham <i>H</i>	-	4642	46456	71	26	5	5	-	-	-	-	-	-	2	3	1	-		
3	Edmonton <i>Ww†</i>	-	7458	23463	24	13	2	7	-	-	-	-	-	-	-	-	4	-		
4	Enfield <i>WH</i>	-	12653	19104	17	15	3	5	-	-	-	-	-	-	-	1	-	-		
5	Waltham Abbey <i>-</i>	-	11017	5368	2	1	-	1	-	-	-	-	-	-	-	-	-	-		
6	Cheshunt <i>-</i>	-	8490	7735	7	7	-	2	-	-	-	2	-	-	-	-	-	-		
186: 1	Stratford <i>-</i>	-	892	38803	29	17	1	8	-	-	-	-	1	-	-	-	-	-		
2	West Ham <i>wowwH</i> §	-	5785	90347	95	88	14	15	-	1	1	2	-	-	-	1	1	-		
3	East Ham <i>-</i>	-	3203	10703	15	13	3	4	1	-	-	-	-	-	-	-	-	-		
4	Leyton <i>WwL</i>	-	4372	32430	40	35	6	13	-	2	-	-	1	-	-	-	8	-		
5	Walthamstow <i>H</i>	-	6590	28869	46	21	2	5	-	-	3	1	-	1	-	-	-	-		
187: 1	Chigwell (part of) * <i>H</i>	-	11761	9639	13	6	3	-	-	-	-	-	-	-	-	-	-	-		
2	Epping (W, pt. of) * <i>-</i>	-	3266	10203	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
189: 1	Romford (part of) * <i>W</i>	-	6730	3411	8	6	-	3	-	-	-	-	-	-	-	-	-	3		
2	Ilford <i>-</i>	-	8493	7645	7	4	2	1	-	-	-	-	-	-	-	-	-	-		
3	Barking Town <i>-</i>	-	4127	9203	11	5	2	1	-	-	-	-	1	-	-	-	-	-		

\* The parishes of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—39: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37: 1, the parishes of Waringham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Norton in Hatfield sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189: 1, the parish of Dagenham in Romford sub-district.

† Deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 187: 1, Epping, sub-districts.

‡ Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.



TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 11th January, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												Deaths in Public Institutions.
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
GREATER LONDON	448,334	5,758,500	30.3	2.2	3350	545	955	-	30	19	31	134	14	13	65	602		
INNER LONDON	77,410	4,421,661	32.4	2.4	2747	430	771	-	24	13	26	112	12	12	55	535		
OUTER RING	370,924	1,336,839	23.5	1.6	603	115	184	-	6	6	5	22	2	1	10	67		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700,522 square miles, which is equivalent to the area of a circle having a radius of 14,933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 16,935,747 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA -	433,219	November 23	-	274	33.0	5	-	-	-	-	83	694	
BOMBAY -	773,196	December 10	250	366	20.9	-	1	-	-	-	111	274	
MADRAS -	398,777	November 22	262	416	23.8	-	1	-	-	-	135	39	
		29	346	257	33.5	-	11	-	-	-	76	24	
		29	357	249	32.4	-	4	-	-	-	77	474	
PARIS -	2,260,945	January 4	1223	2683	61.7	3	12	1	32*	24	37	60	
BRUSSELS -	471,606	" 4	287	351	38.7	-	-	1	1	2	1	23	
(with 8 Faubourgs.)													
AMSTERDAM -	403,083	" 4	-	-	-	-	-	-	-	-	-	-	
ROTTERDAM -	197,723	" 4	-	-	-	-	-	-	-	-	-	-	
THE HAGUE -	153,440	" 4	-	-	-	-	-	-	-	-	-	-	
COPENHAGEN -	307,000	" 4	242	170	28.9	-	-	2	8	1	1	3	
STOCKHOLM -	228,218	" 28	-	-	-	-	-	-	-	-	-	-	
CHRISTIANIA -	138,309	" 4	43	68	25.6	-	2	-	5	1	1	4	
ST. PETERSBURG -	842,883	December 21	-	582	36.0	1	16	20	7	3	10	47	
BERLIN -	1,489,672	" 21	893	906	32.4	-	3	6	44*	-	8	46	
HAMBURG (State) -	575,276	" 23	418	289	26.2	-	1	5	6*	6	4	12	
DRESDEN -	264,196	" 23	152	129	25.4	-	3	-	10*	-	-	2	
BRESLAU -	315,000	January 4	226	177	20.2	-	-	2	11*	3	1	9	
MUNICH -	281,000	December 28	204	158	28.8	-	4	-	15*	-	1	12	
VIENNA -	811,434	" 28	503	717	45.9	-	8	1	7	3	4	24	
PRAGUE -	304,356	" 28	-	150	25.7	-	3	1	5	4	2	3	
BUDA-PESTH -	452,907	" 28	764	287	32.9	-	-	-	8	1	7	23	
TRIESTE -	153,084	" 28	-	95	31.3	-	4	-	7*	-	2	2	
ROME -	407,936	October 26	262	175	22.4	-	-	-	1	1	20	16	
TURIN (10 days) -	306,398	December 10	286	241	28.7	-	7	1	4	1	5	16	
VENICE -	154,360	" 28	68	125	42.2	24	1	-	2*	-	1	7	
CAIRO -	374,838	" 19	409	390	54.3	1	-	-	3*	4	17	120	
ALEXANDRIA -	231,396	" 19	258	173	39.0	2	-	-	5*	-	9	47	
NEW YORK -	1,571,300	" 21	-	665	22.1	-	5	10	23	8	5	11	
BROOKLYN -	834,607	" 21	-	333	20.6	-	-	3	26	3	3	2	
PHILADELPHIA -	1,040,245	" 21	-	366	13.4	-	3	5	10	3	15	5	
BALTIMORE -	500,343	" 21	-	162	16.9	-	2	-	8	1	-	1	
NEW ORLEANS -	254,000	November 2	-	110	22.6	-	-	1	5	-	3	8	
		" 9	-	114	23.4	-	-	-	2	-	2	3	

\* Including deaths from croup.

† Including 30 deaths from cholera in Calcutta, 1 in Bombay, and 1 in Madras.

‡ Including 13 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, JANUARY 11TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is 9 inches above the Air or Ground.								
MONTH AND DAY.	Phases of the Moon.	BAROMETER.		Of the Air.		Difference between the Air and Dew Point Temperature.		Of the Dew Point.		Degrees of Humidity (Saturation equals 100°).		Of Radiation.		Oster's.		Robinson's.		Miles, in.								
		Mean daily reading (corrected to 32° Fahrenheit).	High-est.	Low-est.	Daily Range.	Mean of 24 hours.	De-pression from Average of 24 hours.	Mean of 24 hours.	Least.	High-est.	Low-est.	General Direction.	Great-est.	Least.	Mean of 24 hours.	Horizontal Movement of the Air on each Day.	Depar-ture from Average of the Air on each Day.									
JANUARY.																			16 Years.							
SUN.	5	Greatest Dec. 30.	51.7	43.0	8.7	48.0	+10.4	46.3	0.0	0.0	94	51.8	36.0	39.4	38.5	S. & SW.	SSW. & SW.	8.3	0.0	2.7	689	0.19				
MON.	6	Full. Apogee.	54.4	49.2	5.2	52.0	+14.4	50.6	3.2	0.0	95	57.5	43.3	39.7	38.5	SW. & SSW.	SSW.	5.2	0.0	1.2	468	0.04				
TUES.	7	..	30.181	47.5	7.5	50.7	+13.1	46.0	4.7	1.7	84	83.6	42.6	42.1	40.7	SSW.	SSW.	4.0	0.0	0.9	429	0.00				
WED.	8	..	30.041	43.8	6.5	47.5	+9.8	46.0	1.5	3.8	95	58.6	37.5	44.2	43.1	SSW.	SSW. & SW.	3.1	0.0	0.3	351	0.02				
THURS.	9	..	29.970	52.3	36.7	15.6	44.4	41.6	2.8	5.0	90	66.7	30.3	44.6	43.4	SW. & SSW.	SSW. & SW.	6.5	0.0	1.1	460	0.14				
FRI.	10	..	29.889	52.9	42.2	10.7	45.8	36.6	9.2	12.2	70	72.4	36.7	45.6	44.2	WSW.	W. & WSW.	7.4	0.0	1.9	500	0.00				
SAT.	11	..	29.960	50.5	38.9	11.6	44.8	43.1	1.7	4.2	94	55.0	34.2	45.4	43.0	SW. & SSW.	SSW. & SW.	0.7	0.0	0.0	229	0.01				
MEANS	..	..	29.970	52.4	43.0	9.4	47.6	44.3	3.3	6.0	89	63.7	37.2	43.0	41.6	SSW. & SW.	..	..	..	..	Sum 3159	Sum 0.40				
No. of Col.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
DATE.		ELECTRICITY.		Registered Sun above		GENERAL REMARKS.																				
JANUARY.		(For explanation of symbols, see Note.)		Sun above Horizon, in hours.																						
SUNDAY	5	W. P. till 7h. A.M.; W. N. till noon; W. P. afterwards.	0.0	7.9	Overcast with frequent rain till evening; afterwards partially cloudy. Windy. Mild.																					
MONDAY	6	W. P. throughout.	0.0	8.0	Overcast. Occasional rain. Very mild.																					
TUESDAY	7	W. P. in morning; W. P. afterwards.	4.9	8.0	Very fine with small amounts of light cloud till afternoon; generally overcast afterwards. Very mild.																					
WEDNESDAY	8	W. P. in morning; W. P. and V. N. afterwards.	0.0	8.0	Slight rain in early morning; overcast till afternoon; cloudy and showery till night; then cloudless. Mild.																					
THURSDAY	9	S. P. till afternoon; W. P. afterwards.	0.8	8.1	Cloudless in early morning; partially cloudy till afternoon; overcast and showery afterwards. Solar halo at 11h. A.M.																					
FRIDAY	10	W. P. in morning; S. P. afterwards.	4.4	8.1	Cloudy in early morning; very fine with occasional light clouds till afternoon; overcast generally afterwards.																					
SATURDAY	11	m. P. generally.	0.0	8.1	Overcast. Occasional rain in morning and afternoon.																					
MEANS		..	Sum 10.1	Sum 56.2	..																					
No. of Col.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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DATE.		ELECTRICITY.		Registered Sun above		GENERAL REMARKS.																				
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DATE.		ELECTRICITY.		Registered Sun above		GENERAL REMARKS.																				
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DATE.		ELECTRICITY.		Registered Sun above		GENERAL REMARKS.																				
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DATE.		ELECTRICITY.		Registered Sun above		GENERAL REMARKS.																				
JANUARY.		(For explanation of symbols, see Note.)		Sun above Horizon, in hours.																						
SUNDAY	5	W. P. till 7h																								

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: - P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 29.62 in. at the beginning of the week to 29.58 in. by 10h. A.M. on the 5th; increased to 30.21 in. by 9h. P.M. on the 7th; decreased to 29.98 in. by 9h. P.M. on the 8th; increased to 30.12 in. by 9h. A.M. on the 9th; decreased to 29.74 in. by 9h. P.M. on the same day; increased to 30.05 by 9h. A.M. on the 11th; and decreased to 29.96 by 9h. P.M. on the same day.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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General Register Office, Somerset House,  
20th January, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 27·0 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.		Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.
Birkenhead	20·4	16·4	17·4	17·9	Liverpool -	26·7	27·5	24·7	25·2
Birmingham	20·4	23·5	24·5	27·4	London -	20·3	28·0	32·4	32·1
Blackburn -	31·4	31·7	21·9	24·9	Manchester -	26·6	32·8	33·8	28·4
Bolton -	21·8	31·1	21·2	24·8	Newcastle-on-Tyne*	26·6	25·0	28·5	27·2
Bradford*	19·3	25·4	24·1	20·2	Norwich -	11·6	19·7	19·7	20·2
Brighton -	20·1	18·1	18·1	15·6	Nottingham -	16·9	17·7	19·4	14·9
Bristol -	21·4	26·3	23·8	25·8	Oldham -	22·7	19·9	24·2	14·9
Cardiff*	19·0	24·1	23·2	18·3	Plymouth -	28·7	26·5	30·4	21·2
Derby -	16·9	22·2	27·4	17·6	Portsmouth -	25·1	28·5	20·4	22·6
Halifax -	23·2	22·2	19·1	21·0	Preston -	27·0	32·2	23·8	25·8
Huddersfield	18·5	16·6	23·8	18·8	Salford* -	24·5	22·6	19·8	20·9
Hull -	25·3	24·6	24·6	21·5	Sheffield -	21·5	24·4	26·6	23·5
Leeds -	25·8	27·1	29·0	26·1	Sunderland -	24·1	21·8	26·4	20·3
Leicester*	19·4	14·5	21·3	17·2	Wolverhampton -	25·3	28·1	19·4	21·9

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·1 in Bradford and in Norwich, and 1·4 in Birmingham; from *scarlet fever*, 1·4 in Manchester; and from *whooping-cough*, 1·0 in Derby, 1·2 in London, 1·3 in Wolverhampton, 1·4 in Bolton, 1·8 in Portsmouth, and 3·1 in Bristol. The death-rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 40 deaths from *diphtheria* in these towns included 22 in London, 3 in Liverpool, 3 in Manchester, 2 in Norwich, 2 in Leeds, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight great towns.

### LONDON.

In LONDON 2714 BIRTHS and 2720 DEATHS were registered. Allowing for increase of population, the births were 191 below, whereas the deaths exceeded by 765, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 28·0 and 32·4 in the two preceding weeks, was last week 32·1, and again exceeded the rate in any week since February 1882, when the rate in the sixth week of the year rose to 36·7. During the first three weeks of the current quarter the death-rate averaged 30·8 per 1000, and was 7·8 above the mean rate in the corresponding periods of the ten years 1880-89.

The 2720 deaths included 24 from measles, 22 from scarlet fever, 22 from diphtheria, 104 from whooping-cough, 14 from enteric fever, 1 from an ill-defined form of continued fever, 6 from diarrhœa and dysentery, and not one from small-pox, typhus, or cholera; thus, 193 deaths were referred to these diseases, being 41 below the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; but nine years after the last enumeration such an hypothesis is obviously somewhat untrustworthy.



No death from *small-pox* was registered, the corrected average being 13; Only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and 2 in the Highgate Small-pox Hospital. The fatal cases of *measles*, which had been 36 and 24 in the two preceding weeks, were again 24 last week, and were 30 below the corrected average; 3 belonged to Pancras, and 4 to Hackney sanitary areas. The 22 deaths from *scarlet fever* showed an increase upon the low numbers in recent weeks, but were 15 below the corrected average; 2 belonged to Kensington, 2 to Fulham, 3 to Chelsea, and 2 to Bermondsey sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1394 scarlet fever patients at the end of last week, against 1609, 1570, and 1497 on the three preceding Saturdays; 77 cases were admitted to these hospitals during the week, against 122 and 71 in the two preceding weeks. The deaths from *diphtheria*, which had been 32 and 26 in the two previous weeks, further declined last week to 22, but were 3 above the corrected average; 2 (at 9, Rickett Street,) belonged to Fulham, 2 to Pancras, 3 to Islington, and 5 to Poplar, sanitary areas. The 104 fatal cases of *whooping-cough* showed a decline of 8 from the high number in the previous week, but exceeded the corrected average by 24; 4 belonged to Westminster, 5 to Marylebone, 9 to Pancras, 9 to Bethnal Green, 5 to Mile End Old Town, 9 to Poplar, 7 to St. George, Southwark, 4 to Newington, 8 to Lambeth, 4 to Wandsworth, 6 to Camberwell, and 5 to Greenwich sanitary areas. The deaths attributed to *diarrhœa* and *dysentery* declined last week to 6, and were 8 below the corrected average.

The deaths referred to *enteric fever*, which had been 13, 12, and 11 in the three preceding weeks, rose again last week to 14, but were 2 below the corrected average; 2 belonged to Pancras, and 2 to Mile End Old Town sanitary areas. The death of a child, aged 4 years, in Kentish Town, was indefinitely referred to "continued fever." The death of a female, aged 46 years, in Gloucester Road, Camberwell, was attributed to "febris cerebro-spinalis, 7 days, anasarca, 2 days." The Metropolitan Asylum Hospitals contained 93 cases of enteric fever and 3 of typhus on Saturday last; 8 cases of enteric fever were admitted during the week, against 11 and 7 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had been 4 and 67 in the two preceding weeks, further rose last week to 127; of these, 8 belonged to Paddington, 9 to Pancras, 12 to Islington, 8 to Bethnal Green, 13 to Lambeth, 6 to Battersea, 6 to Wandsworth, and 7 to Camberwell sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 467, 843, and 1069 in the three preceding weeks, declined last week to 1010, but exceeded the corrected average by 464.

Different forms of violence caused 65 deaths, concerning all but 1 of which inquests were held. Of these 65 deaths, 11 were cases of suicide and 3 of murder or manslaughter, while the remaining 51 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 11 by burns or scalds, 2 by poison, 4 by drowning, and 14 (including 13 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3654 births and 3330 deaths were registered, corresponding to annual rates of 33·1 and 30·2 per 1000 of the estimated population. In the Outer Ring 22 fatal cases of whooping-cough, 15 of measles, 3 of scarlet fever, and 3 of diphtheria, were registered. Three deaths from measles were returned in Staines, in East Ham, and in Walthamstow sub-districts. The 22 fatal cases of whooping-cough included 7 in Croydon, 5 in West Ham, and 3 in Tottenham sub-districts. Two of the 3 deaths from scarlet fever occurred in Croydon sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·90 ins.; the highest reading was 30·15 ins. on Sunday evening, and the lowest 29·34 ins. at the end of the week. The mean temperature of the *air* was 45·5, and 7·0 above the average in the corresponding weeks of the 20 years ending 1868. The mean considerably exceeded the average on each day of the week. The general direction of the *wind* was S.W., and the horizontal movement of the *air* averaged 15·9 miles per hour, which was 2·4 miles above the average in the corresponding weeks of 16 years. *Rain* fell on Saturday to the amount of 0·13 of an inch. The duration of registered bright sunshine in the week was 7·3 hours, against 12·2 hours at Glynde Place, Lewes.





TABLE 2. LONDON.—Births and Deaths Registered in the THIRD Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*†	1890
<b>TOTAL Births</b>	2644	2192	2629	2804	2718	2803	2667	2655	2658	2837	2904·7	2714
Males . .	1340	1127	1332	1416	1364	1347	1391	1385	1304	1430	1465·2	1409
Females . .	1304	1065	1297	1388	1354	1456	1276	1270	1354	1407	1439·5	1305
<b>TOTAL Deaths</b>	1900	2016	1700	1663	1578	1807	1738	1757	2000	1769	1955·0	2720
Males . .	991	1032	856	869	777	847	874	862	1021	899	977·9	1420
Females . .	969	984	844	794	801	960	864	895	979	870	977·1	1300

\* The numbers in this column are the average weekly numbers in the third weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

			Oct. 26.	Nov. 2.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.		
TOTAL Births			-	-	2580	2623	2658	2522	2517	2321	2270	2535	2513	1815	2961	2818	2714
TOTAL Deaths			-	-	1310	1317	1350	1451	1375	1448	1683	1768	1816	1690	2371	2747	2720
Ages at Death	{	0—20 years	-	562	599	606	667	660	647	713	719	723	651	834	939	909	
		20—40 "	-	163	200	181	188	176	184	196	227	216	220	346	367	450	
		40—60 "	-	250	209	245	254	259	266	294	312	348	332	541	670	666	
		60—80 "	-	283	253	265	265	222	292	392	418	424	396	552	640	576	
		80 years & upwards	-	52	56	53	77	55	59	88	92	105	91	98	131	119	
"	{	Under 1 year	-	276	323	310	343	335	333	353	375	364	326	398	430	415	
		1—5	-	200	212	209	235	233	227	265	247	261	232	310	375	344	
		5—20	-	86	64	87	89	93	87	95	97	98	93	126	134	150	
Deaths from Small-pox			-	-	1	-	-	-	-	-	-	-	-	-	-	-	
"	"	Measles	-	17	22	20	33	33	18	41	30	35	29	36	24	24	
"	"	Scarlet fever	-	27	20	23	24	17	19	24	12	22	14	15	13	22	
"	"	Diphtheria	-	37	31	23	38	30	33	47	35	27	26	32	26	22	
"	"	Whooping-cough	-	22	21	24	37	31	44	47	49	60	67	98	112	104	
"	"	Typhus	-	1	-	-	1	-	-	-	1	2	-	-	-	-	
"	"	Enteric fever	-	21	19	11	20	22	15	8	15	12	13	12	11	14	
"	"	Simple Cont'd fever	-	1	-	-	-	2	1	2	-	-	-	-	1	1	
"	"	Diarrhoea and Dysentery	-	15	17	17	16	17	12	12	14	13	19	10	12	6	
"	"	Cholera	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
"	"	all the above-mentioned Diseases	-	141	130	120	169	152	142	181	155	170	170	203	199	193	
"	"	Dis. of Respiratory System	-	281	300	318	321	328	345	432	552	518	467	843	1069	1010	
"	"	Phthisis	-	141	125	141	154	169	183	161	182	161	180	247	267	312	
"	"	Dis. of Circulatory System	-	115	104	122	121	113	126	165	163	189	158	222	275	209	
Violent Deaths			-	49	59	51	65	57	53	56	55	69	47	91	55	65	
Inquest Cases			-	101	123	97	122	114	113	128	124	156	121	195	192	171	
Deaths in Public Institutions			-	319	309	313	363	314	336	358	422	419	400	495	534	626	
TEMPERATURE OF THE AIR																	
Mean			-	46·7	47·3	47·3	46·8	44·9	37·6	32·1	33·1	43·5	39·8	32·8	47·6	45·5	
Mean of Highest readings			-	53·7	54·0	53·3	52·7	48·2	43·4	35·8	42·5	47·3	44·0	36·7	52·4	50·6	
Mean of Lowest readings			-	41·5	41·4	40·8	41·0	41·3	32·0	27·8	31·9	38·1	35·2	28·5	43·0	39·4	
Humidity of the Air			-	94	88	90	93	94	84	85	92	94	90	97	89	86	
Rain-fall in inches			-	1·07	0·78	0·26	0·01	0·13	0·32	0·23	0·23	0·33	0·61	0·11	0·40	0·13	
Registered Sunshine (in hours)			-	8·1	23·1	3·9	11·9	0·0	5·9	8·4	4·4	2·1	3·2	5·0	10·1	7·3	

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whiteledge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRD Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 3rd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 18th January 1890.										CAUSES OF DEATH.	Corrected Averages for the 3rd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 18th January 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
			0-1.	1-5.	5-20.										0-1.	1-5.	5-20.						
ALL CAUSES - -	1955.0	2720	415	344	150	450	686	576	119		Diseases of Organs of Special Sense † - -	2.3	2	-	-	1	-	-	1	-			
Small-pox { Vaccinated - -	12.6	-	-	-	-	-	-	-	-		Diseases of Circulatory System - -	145.7	209	2	-	9	36	73	73	11			
Unvaccinated - -		-	-	-	-	-	-	-	-		Croup - - - -	17.8	13	3	6	4	-	-	-	-			
No Statement - -		-	-	-	-	-	-	-	-		Bronchitis - - -	355.7	630	71	76	7	43	172	219	42			
Measles - - -	54.3	24	1	21	2	-	-	-	-		Pneumonia - - -	116.8	281	34	44	12	66	89	82	4			
Scarlet Fever - -	36.5	23	-	15	5	2	-	-	-		Pleurisy - - - -	7.0	6	-	1	1	1	2	1	-			
Typhus - - -	0.3	-	-	-	-	-	-	-	-		Other Diseases of Respiratory System - -	43.5	80	10	3	3	12	21	26	-			
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-		Dentition † - - -	14.6	23	12	11	-	-	-	-	-			
Influenza - - -	0.0	127	7	4	9	31	43	26	1		Quincy, Sore Throat † -	2.1	5	-	3	-	-	2	-	-			
Whooping-cough - -	80.0	104	34	63	7	-	-	-	-		Enteritis - - - -	7.4	11	4	-	3	2	1	-	1			
Diphtheria - - -	18.9	22	1	15	5	-	1	-	-		Peritonitis - - -	7.0	5	-	-	2	1	2	-	-			
Simple Continued and Ill-defined Fever -	1.4	1	-	1	-	-	-	-	-		Diseases of Liver - -	29.4	35	2	-	2	3	21	7	-			
Enteric Fever - - -	15.9	14	-	-	1	10	2	1	-		Other Diseases of Digestive System -	33.3	22	2	2	1	4	2	11	-			
Cholera - - - -	0.2	-	-	-	-	-	-	-	-		Diseases of Lymphatic System & of Ductless Glands † - - -	2.5	1	-	-	-	1	-	-	-			
Diarrhoea, Dysentery -	18.6	6	2	1	1	-	-	2	-		Diseases of Urinary System - - - -	42.9	51	-	1	1	13	19	16	1			
Remittent Fever † -	0.5	-	-	-	-	-	-	-	-		Diseases of Generative System - - - -	5.9	7	-	-	-	4	1	2	-			
Hydrophobia - - -	0.1	1	-	-	1	-	-	-	-		Accidents of Childbirth -	2.3	2	-	-	-	2	-	-	-			
Glanders - - - -	0.0	-	-	-	-	-	-	-	-		Diseases of Locomotive System † - - - -	7.6	11	-	1	4	3	3	-	-			
Cowpox and Effects of Vaccination † - -	0.0	-	-	-	-	-	-	-	-		Diseases of Integumentary System - -	7.6	7	1	-	-	1	-	5	-			
Venereal Affections -	13.0	9	7	-	-	1	1	-	-		VIOLENT DEATHS.‡												
Erysipelas - - -	7.2	1	-	-	-	-	-	1	-		(ACCIDENT.)												
Pyæmia and Septicæmia †	3.8	3	-	-	3	-	-	-	-		Fracture and Contusion -	18.1	19	-	-	4	4	4	7	-			
Puerperal Fever - - -	7.1	7	-	-	6	1	-	-	-		Gunshot Wound - - -	0.1	-	-	-	-	-	-	-	-			
Other Zymotic Diseases †	2.5	4	1	-	1	-	2	-	-		Cut, Stab - - - -	0.4	-	-	-	-	-	-	-	-			
Thrush - - - - -	2.2	1	1	-	-	-	-	-	-		Burn and Scald - - -	10.6	11	-	4	2	1	1	1	2			
Worms and other Parasitical Diseases - -	0.2	-	-	-	-	-	-	-	-		Poison - - - - -	1.3	2	-	-	-	1	1	-	-			
Starvation, Want of Breast-milk † - -	0.8	-	-	-	-	-	-	-	-		Drowning - - - -	4.6	4	-	-	-	2	2	-	-			
Alcoholism - - -	5.7	20	-	-	-	3	12	-	-		Suffocation - - -	19.7	14	13	-	-	-	1	-	-			
Rheumatic Fever, Rheumatism of Heart †	10.6	18	-	-	6	9	3	-	-		Otherwise - - - -	4.4	1	1	-	-	-	-	-	-			
Rheumatism † - - -	2.7	3	-	-	-	1	-	2	-		(HOMICIDE.)												
Gout - - - - -	3.7	4	-	-	-	-	1	2	1		Murder & Manslaughter -	2.0	3	-	2	-	-	1	-	-			
Rickets † - - - -	3.6	5	3	2	-	-	-	-	-		(SUICIDE.)												
Cancer - - - - -	61.0	53	-	-	-	2	28	22	1		Gunshot Wound - - -	0.9	1	-	-	-	1	-	-	-			
Tabes Mesenterica -	24.6	16	8	7	1	-	-	-	-		Cut, Stab - - - -	1.7	2	-	-	-	-	2	-	-			
Tubercular Meningitis	25.8	21	8	10	3	-	-	-	-		Poison - - - - -	1.6	2	-	-	-	-	-	1	-			
Phthisis - - - -	180.8	312	1	7	31	150	100	19	1		Drowning - - - -	0.4	2	-	-	-	-	-	1	1			
Serofula, Tuberculosis	16.4	18	5	6	4	3	-	-	-		Hanging - - - - -	1.7	2	-	-	-	-	-	2	-			
Other Constitutional Diseases † - -	11.7	17	-	-	2	6	3	6	-		Otherwise - - - -	0.5	2	-	-	-	-	2	-	-			
Premature Birth - - -	43.4	42	42	-	-	-	-	-	-		(EXECUTION.)												
Atelectasis † - - -	4.2	2	2	-	-	-	-	-	-		Hanging - - - - -	0.0	-	-	-	-	-	-	-	-			
Congenital Malformations - -	7.3	8	7	1	-	-	-	-	-		OTHER CAUSES † - -	66.3	69	52	5	-	2	4	6	-			
Old Age - - - - -	65.5	83	-	-	-	-	-	35	43														
Apoplexy - - - -	51.3	30	-	1	-	3	13	12	1														
Epilepsy - - - - -	9.2	10	-	1	2	3	2	2	-														
Convulsions - - - -	57.1	62	61	-	1	-	-	-	-														
Other Diseases of Brain and Nervous System †	93.7	115	17	25	6	8	19	35	5														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.  
† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, or manslaughter, or suicide. All such cases are classed under "accident or negligence."



Deaths from some Zymotic and other Causes.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																		
REGISTRATION SUB-DISTRICTS.		Enu- me- rated Popu- lation, 1881.	Total Births	Total Deaths.	Deaths of		Deaths from											Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoas.	Violence.				
LONDON		3,815,704	2714	2720	415	695	-	24	22	23	104	-	14	1	6	65	171	626	80	
WEST DISTRICTS		669,888	441	464	58	123	-	1	6	4	13	-	4	-	-	6	24	146	6	
NORTH DISTRICTS		905,947	589	603	81	174	-	10	6	7	17	-	2	1	2	13	35	119	1	
CENTRAL DISTRICTS		282,238	180	215	24	52	-	5	1	-	1	-	1	-	2	11	18	93	2	
EAST DISTRICTS		692,738	512	542	93	126	-	6	1	6	32	-	3	-	-	14	45	163	1	
SOUTH DISTRICTS		1,265,148	993	893	160	220	-	2	6	5	41	-	4	-	2	21	49	163	20	
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON		-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-	3	-	
WEST DISTRICTS.																				
St. Mary Paddington WHH G.J. & W.M.		69888	53	58	11	19	-	-	-	-	1	-	-	-	-	-	1	7	-	
St. John Paddington H - G.J.		37380	14	19	1	7	-	-	-	1	-	-	1	-	-	1	1	4	-	
Kensington Town Ww - W.M.		120141	88	98	12	35	-	-	-	-	1	-	-	-	-	1	4	44	-	
Brompton H - W.M. & C.		49010	9	18	2	3	-	-	-	-	-	-	-	-	-	-	5	1	-	
St. Peter Hammersmith - W.M.		7899	5	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
St. Paul Hammersmith H W.M. & G.J.		64340	59	30	5	4	-	-	1	2	-	-	-	-	-	1	5	3	1	
Fulham Ww - W.M. & C.		42900	67	55	11	11	-	-	3	1	1	-	-	-	2	3	19	-	-	
Chelsea South HHH - C.		30396	24	20	3	6	-	-	2	-	1	-	-	-	-	-	2	6	1	
Chelsea North-west WHHHH - C.		24925	17	29	2	7	-	1	-	-	1	-	-	-	-	-	1	17	-	
Chelsea North-east - C.		32307	22	15	1	2	-	-	-	-	1	-	-	-	-	1	-	-	-	
May Fair WW - G.J.		30353	9	26	-	11	-	-	-	-	-	-	1	-	-	-	-	13	-	
Belgrave WHH - C.		59220	24	35	5	8	-	-	-	2	-	-	-	-	-	-	2	15	1	
St. John Westminster HHH - C.		35498	19	18	2	3	-	-	-	-	3	-	-	-	-	-	-	2	2	
St. Margaret Westminster H - C.		24879	10	18	1	2	-	-	-	-	1	-	1	-	-	1	3	7	-	
St. James Westminster WHH N.R. & G.J.		29941	9	14	1	4	-	-	-	-	1	-	1	-	-	-	-	2	-	
St. Anne Soho HHHHHH - N.R.		18608	7	9	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-	
NORTH DISTRICTS.																				
All Souls Marylebone HHHH W.M.		26759	15	16	2	5	-	-	-	-	1	-	-	-	-	1	2	6	-	
Cavendish Square HHHH - W.M.		14591	6	5	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	
Rectory Marylebone WH G.J. & W.M.		24809	13	17	3	4	-	-	-	-	-	-	-	-	-	-	-	5	-	
St. Mary Maryleb. HHH G.J. & W.M.		31118	26	18	3	5	-	-	-	-	3	-	-	-	-	-	-	-	-	
Christchurch Marylebone HH - W.M.		33700	15	18	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. John Marylebone H - W.M.		33638	17	16	2	3	-	-	1	-	1	-	-	-	-	-	-	-	-	
Hampstead WwvHHHH N.R. & W.M.		45452	23	30	2	10	-	-	1	3	1	-	2	-	-	-	9	-	-	
Regent's Park Paneras H - W.M.		39115	21	21	3	7	-	1	1	-	3	-	-	-	1	2	-	16	4	
Tottenham-court WHHHH N.R. & W.M.		27729	14	33	4	10	-	-	-	-	2	-	-	1	-	2	-	-	-	
Gray's Inn Lane HHH - N.R.		50247	18	26	8	6	-	-	-	-	1	-	-	-	-	3	4	-	-	
Somers Town H - N.R.		34369	19	26	2	2	-	2	-	-	-	-	-	-	-	1	2	14	-	
Camden Town WH - N.R.		17311	21	22	2	10	-	-	-	-	-	-	-	-	-	-	-	14	-	
Kentish Town W - N.R.		37437	53	58	5	24	-	-	-	1	3	-	-	1	-	-	1	9	-	
Upper Holloway WwvH - N.R.		67946	65	71	9	24	-	-	-	1	2	-	-	-	-	2	4	30	-	
Islington South-west HH - N.R.		100976	66	67	10	17	-	2	1	-	-	-	-	-	-	2	4	1	-	
Islington South-east - N.R.		61826	26	29	6	7	-	-	1	-	-	-	-	-	-	-	3	-	-	
Highbury H - N.R.		52043	27	18	5	2	-	-	-	-	-	-	-	-	-	-	3	-	-	
Stoke Newington H - N.R.		22781	16	9	1	6	-	-	-	-	-	-	-	-	-	1	1	-	-	
Stamford Hill - E.L.		9277	10	10	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney H - N.R.		37610	26	18	3	5	-	-	-	-	-	-	-	-	-	-	-	1	-	
Hackney WwvH - E.L. & N.R.		76911	57	60	6	13	-	5	1	1	-	-	-	-	1	1	5	23	1	
South Hackney - E.L.		39883	31	15	2	4	-	-	-	1	-	-	-	-	-	-	2	-	-	
CENTRAL DISTRICTS.																				
St. George Bloomsbury - N.R.		16381	7	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH - N.R.		14864	11	14	1	5	-	1	-	-	-	-	-	-	-	-	6	-	-	
St. Giles North - N.R.		18337	7	11	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Martin-in-the-Fields HH N.R. & C.		17508	5	18	3	6	-	1	-	-	-	-	-	-	1	2	4	1	-	
St. Mary-le-Strand H - N.R.		7515	2	10	-	3	-	-	1	-	-	-	-	-	-	-	1	-	-	
St. Clement Danes H - N.R.		8559	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	
Strand Union Workhouse, Edmonton w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Geo.-the-Martyr HHHHHH N.R.		18671	6	21	-	3	-	-	-	-	-	-	1	-	-	1	2	7	-	
St. Andrew Eastern W - N.R.		10706	15	6	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	
Saffron Hill H - N.R.		6533	2	6	2	2	-	-	-	-	1	-	-	-	-	-	-	-	-	
St. James Clerkenwell - N.R.		17516	14	14	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arncliffe Clerkenwell - N.R.		19281	19	12	1	2	-	-	-	-	-	-	1	-	-	-	-	-	-	
Pentonville - N.R.		14773	9	15	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street - N.R.		17506	12	9	1	4	-	-	-	1	-	-	-	-	-	-	1	-	-	
Old-street H - N.R.		11541	8	3	-	3	-	-	-	-	-	-	-	-	-	-	1	-	-	
City-road HHL - N.R.		18628	23	26	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Whitecross-street - N.R.		9217	8	5	2	1	-	1	-	-	-	-	-	1	1	1	1	1	1	
Finsbury - N.R.		7463	1	3	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	
Holborn Union Workhouse, Mitcham, w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph H - N.R. & E.L.		11174	5	10	2	2	-	-	-	-	-	-	-	-	-	-	1	1	-	
Cripplegate - N.R.		7193	5	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre H - N.R.		5838	4	14	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	
St. Bride W - N.R.		8396	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking - N.R.		13666	2	3	-	2	-	-	-	-	-	-	-	-	-	3	4	11	-	
Broad Street H - N.R.		5652	-	2	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work-house; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving inmates from other Districts than that in which it stands, see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies the Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N.R. New River; E.L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
day, 18th January, 1890.

The DEATHS registered in the Week include:																		
REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of													Inquest Cases. Deaths in Public Institutions.	Uncertified Causes of Death.
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.			
EAST DISTRICTS.																		
Well Shoreditch	N.R. & E.L.	7876	2	7	1	1	-	1	-	-	-	-	-	-	-	-		
Leonard Shoreditch	HL*	14967	5	4	-	-	-	-	-	-	-	-	-	-	1	-		
on New Town	-	29937	22	31	5	14	-	-	-	1	-	-	-	1	2	13		
on Old Town	-	28036	24	21	3	7	-	-	-	-	-	-	-	4	4	-		
erston WH	N.R. & E.L.	46275	22	41	8	12	1	-	-	2	-	-	-	3	14	-		
al Green North	H	51157	50	38	6	6	-	-	1	4	-	-	-	1	4	-		
nal Green South	-	34399	33	24	8	-	-	-	-	4	-	-	-	1	3	-		
nal Green East	WHL*	41405	28	40	3	19	-	-	-	1	-	-	-	1	20	-		
fields	-	22585	16	9	4	1	-	1	-	-	-	-	-	-	-	-		
End New Town	W	15478	15	25	2	8	-	-	-	-	-	-	-	-	-	19		
chapel Church	H	17490	17	30	3	5	-	1	-	1	-	-	-	6	7	22		
man's Fields	-	9713	5	1	1	-	-	-	-	-	-	-	-	-	-	-		
ate	N.R. & E.L.	6102	5	7	1	3	-	-	-	1	-	-	-	-	-	-		
George's, North	-	38747	26	15	3	1	-	-	-	-	1	-	-	1	4	-		
ohn, St. George East	W	8410	6	14	1	5	-	-	-	1	-	-	-	-	11	-		
Well H	-	10895	6	17	6	-	-	-	-	2	-	-	-	1	3	10		
ff	-	16107	8	5	1	1	-	-	-	-	-	-	-	-	-	-		
house	-	82041	21	16	2	2	-	-	-	2	-	-	-	1	-	-		
End Old Town West	H	37960	28	16	3	5	-	-	-	1	-	1	-	-	2	-		
End Old Town East	W & H	37653	66	60	12	11	-	2	-	3	-	-	-	1	3	15		
L*	-	37074	21	31	8	4	-	-	-	5	-	-	-	1	3	5		
ley	W & H	64359	45	59	7	17	-	-	-	3	-	-	-	1	5	28		
ar W & H	-	55077	40	21	4	4	-	-	1	5	1	-	-	1	1	8		
SOUTH DISTRICTS.																		
church Southwark	W & H	13663	9	7	1	2	-	-	-	-	-	-	-	-	1	1		
aviour Southwark	-	14999	14	8	3	-	-	-	-	-	-	-	-	-	-	-		
-road	-	21881	12	26	2	3	-	-	-	-	-	-	-	-	-	-		
ugh-road	W & H	15853	17	18	5	1	-	-	-	5	-	-	-	-	5	-		
on-road	HL	21315	11	14	6	1	-	-	-	-	-	-	-	-	-	-		
ry Newington	-	26672	17	15	1	5	-	-	-	-	-	-	-	2	2	-		
ster Walworth	W	59555	47	58	8	14	-	-	-	-	-	-	-	-	1	8		
ary Newington	-	21623	18	14	2	3	-	-	1	4	-	-	-	-	1	-		
ave WH	-	11956	9	25	2	4	-	-	-	-	-	1	-	1	2	17		
er Market	-	16300	16	7	-	3	-	-	-	-	-	-	-	-	-	-		
ary Magdalen	W	16669	17	16	6	3	-	-	-	-	-	-	-	1	2	2		
ames Bermondsey	-	54682	45	25	2	4	-	-	2	-	-	-	-	-	-	1		
erith WH	-	36024	30	36	2	17	-	-	-	-	-	-	-	1	2	17		
rio-road 1st	H	15195	18	9	2	1	-	-	-	-	-	-	-	-	2	-		
rio-road 2nd	H	16851	24	8	1	3	-	-	-	-	-	-	-	-	-	-		
eth Church 1st	H	15876	17	26	4	6	-	-	1	-	-	-	-	6	7	18		
eth Church 2nd	W & H	39859	41	46	6	14	-	-	-	-	-	-	-	1	4	26		
ington 1st	-	45233	27	16	8	9	-	-	-	3	-	-	-	-	-	1		
ington 2nd	-	35332	34	15	2	6	-	-	-	1	-	-	-	-	-	2		
on	W	62857	32	32	6	10	-	1	-	3	-	-	-	-	-	-		
ood W	-	19017	10	16	3	4	-	-	-	1	-	-	-	1	2	2		
Battersea	-	54675	51	31	11	6	-	-	1	3	-	-	-	-	2	1		
Battersea W & H	-	55367	66	47	10	11	-	-	-	-	-	-	-	-	8	11		
am H	-	36320	19	12	1	3	-	-	-	-	-	-	-	-	-	-		
isworth WH	-	28004	30	21	4	4	-	-	-	1	-	-	-	-	1	3		
ay	-	13235	8	10	3	2	-	-	-	-	-	-	-	1	1	-		
tham	-	25553	19	16	2	6	-	-	-	3	-	-	-	-	-	-		
ich	-	5390	8	3	1	1	-	-	-	-	-	-	-	-	-	-		
erwell W & L*	-	59104	57	68	9	10	-	-	1	1	-	-	-	-	-	25		
am W	-	71089	54	34	8	4	-	-	-	4	-	-	-	-	1	2		
orge Camberwell	-	50810	40	16	4	7	-	-	-	-	-	-	-	-	-	-		
aul Deptford	W & H	76732	74	43	8	5	-	-	-	3	-	2	-	2	4	1		
eholms Deptford	-	7901	8	4	-	1	-	-	-	-	-	-	-	-	-	-		
awich West	H	21972	9	13	1	4	-	-	-	-	-	-	-	1	1	2		
awich East	W & H	24608	26	38	8	12	-	-	1	2	-	-	-	1	1	19		
m H	-	5048	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
H	-	21559	10	9	1	4	-	-	-	1	-	-	-	-	-	-		
atham WH	-	19865	17	18	5	3	-	-	-	1	-	1	-	1	-	2		
atham H	-	26076	16	12	1	4	-	-	-	-	-	-	-	-	-	-		
ton HH	-	10930	5	1	1	-	-	-	-	-	-	-	-	-	-	1		
awich Dockyard	-	17617	8	3	-	2	-	-	-	-	-	-	-	-	-	1		
awich Arsenal	HH	19048	7	15	2	3	-	1	-	2	-	-	-	-	2	1		
stead, West	H	14009	7	8	1	3	-	-	-	-	-	-	-	-	-	1		
stead, East	W	19241	33	20	7	3	1	-	1	-	-	-	-	1	1	3		
Metropolitan Asylum Hospitals:																		
artford	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
inchmore Hill	W	-	-	8	-	-	-	-	2	-	-	-	-	-	-	3		
astrow	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by W:-

Stepney Infirmary in Kensington Town sub-district.  
London Sick Asylum in Tottenham Court-road sub-district.  
Mental Asylum in Upper Holloway sub-district.  
London City Workhouse " Hackney sub-district.  
" " Hoxton New Town sub-district.  
" " Mile End Old Town Eastern sub-district.  
" " Mile End Old Town Eastern sub-district.  
" " and Bromley sub-district.  
Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.  
Poplar & Stepney Sick Asylum  
Westminster Union Industrial School in West Battersea sub-district.  
St. Saviour's Infirmary in Camberwell sub-district.  
Metropolitan Asylum District Hospitals in Finsbury, Hampstead, Hackney, Brighton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.  
Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION: BIRTHS and DEATHS registered during the Week ending Saturday, 18th January, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unnatural Causes.
LONDON—OUTER RING		370,924	950,937	940	610	146	160	-	15	3	3	22	2	5	17	35	77	
30:1	Carshalton <i>wL</i>	12238	21118	9	25	2	7	-	-	-	1	-	-	-	1	1	21	
2	Epsom ( <i>part of</i> )* <i>WwH</i>	9971	10710	5	3	-	-	-	-	-	-	-	-	-	-	-	-	
37:1	Godstone ( <i>part of</i> )*	2754	1235	2	2	-	-	-	-	-	1	-	-	-	-	-	-	
38:1	Croydon <i>WwFHI</i>	20851	101241	78	67	19	50	-	2	2	-	-	1	-	2	2	8	
2	Mitcham <i>w†</i>	11697	17932	11	3	1	1	-	-	-	-	-	-	-	-	-	-	
39:1	Wimbledon <i>HHH</i>	3220	15950	19	8	2	2	-	-	-	-	-	-	1	-	-	-	
2	Kingston <i>WHH</i>	8549	36354	32	13	5	2	-	-	-	-	-	-	1	-	1	3	
3	Esher ( <i>part of</i> )*	6601	9221	4	4	1	2	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i>	4573	13539	13	9	2	2	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i>	2272	21302	18	18	4	5	-	-	-	-	1	-	-	2	2	2	
2	Mortlake	2941	12331	7	8	1	-	-	-	-	-	-	-	-	-	1	-	
41:1	Bromley ( <i>pt. of</i> )* <i>HH</i>	15669	81142	39	7	4	-	-	-	-	-	-	-	-	-	-	-	
2	Chislehurst( <i>pt. of</i> )* <i>WHH</i>	14307	15844	11	9	1	3	-	-	-	-	-	-	-	1	1	-	
42:1	Bexley <i>H</i>	12437	24134	18	12	1	5	-	-	-	-	1	-	-	-	-	-	
2	Dartford ( <i>Ww</i> , <i>pts. of</i> )*	-	-	-	3	-	2	-	-	-	-	-	-	-	1	1	3	
124:1	Sunbury <i>w</i>	11055	11685	8	3	2	1	-	-	-	-	-	-	-	-	1	-	
2	Staines <i>W</i>	13277	12069	7	9	-	2	-	3	-	-	-	-	-	1	1	-	
125:1	Hillingdon <i>WHH</i>	6029	10802	4	4	-	2	-	-	-	-	-	-	-	-	-	1	
2	Uxbridge	6178	3225	3	2	-	1	-	1	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i>	14587	11523	8	9	3	1	-	-	-	-	-	-	-	-	2	5	
126:1	Isleworth <i>WHH</i>	7008	23727	22	6	1	1	-	-	-	-	-	-	-	-	1	1	
2	Twickenham <i>H</i>	2477	12479	4	5	2	1	-	-	-	-	1	-	-	-	-	-	
3	Brentford <i>HL</i>	4345	37649	25	11	2	1	-	1	-	-	-	1	-	-	-	-	
4	Chiswick	1840	15975	11	8	2	3	-	-	-	-	1	-	-	-	-	-	
5	Acton <i>wH</i>	6083	22876	27	14	3	4	-	-	-	-	-	-	-	1	2	-	
127:1	Harrow <i>H</i>	13809	12796	11	4	2	-	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i>	6994	3749	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden	4383	27453	47	27	11	6	-	-	-	-	1	-	-	1	5	-	
	Hendon <i>W</i>	8382	10484	11	8	1	4	-	-	-	-	-	-	-	1	2	3	
137:1	Bushey	9331	6621	-	2	-	1	-	-	-	-	-	-	-	-	1	-	
2	Watford ( <i>W</i> , <i>pt. of</i> )*	-	-	-	1	-	1	-	-	-	-	-	-	-	-	1	1	
128:1	South Mimms	15599	6391	4	2	-	1	-	-	-	-	-	-	-	-	-	-	
2	Barnet	5433	10092	2	4	1	1	-	-	-	-	1	-	-	-	-	1	
3	Finchley <i>HL</i>	4688	17615	18	18	2	7	-	-	-	-	-	-	-	-	2	6	
135:1	Hatfield ( <i>part of</i> )*	3306	583	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
122:1	Hornsey <i>H</i>	3039	37078	23	22	3	9	-	-	-	-	-	-	-	1	1	-	
2	Tottenham <i>H</i>	4642	46456	73	48	12	8	-	-	-	-	3	-	2	3	4	4	
3	Edmonton <i>Ww†</i>	7483	23463	25	13	3	6	-	-	-	-	-	-	-	-	2	4	
4	Enfield <i>WH</i>	12653	19104	17	14	6	4	-	-	-	-	-	-	-	2	1	2	
5	Waltham Abbey	11017	5368	-	2	-	1	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt	8480	7735	2	3	-	2	-	-	-	-	-	-	-	-	-	-	
136:1	Stratford	332	38606	43	20	11	5	-	-	1	-	-	-	-	-	-	-	
2	West Ham <i>wowwL SH</i>	2785	90847	131	83	21	10	-	2	-	1	5	-	-	-	-	1	
3	East Ham	3266	10706	26	15	3	8	-	3	-	-	1	-	-	-	-	-	
4	Leyton <i>WwL</i>	4372	32430	52	32	6	14	-	-	-	-	-	-	-	-	-	9	
5	Walthamstow <i>H</i>	6520	28869	34	20	3	7	-	3	-	-	-	-	-	-	-	-	
137:1	Chislewell ( <i>part of</i> )* <i>H</i>	11761	9639	11	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W</i> , <i>pt. of</i> )*	3266	10206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford ( <i>part of</i> )* <i>W</i>	6730	3411	-	2	2	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford	8493	7645	4	3	-	1	-	-	-	-	-	-	-	-	-	-	
3	Barking Town	4127	9203	17	4	1	-	-	-	-	-	-	-	1	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—30:2, Epsom sub-district, except the parishes of Ashted and Headley (pop. 1235); 37:1, the parishes of Warrington and Farley in Godstone sub-district: 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Norton in Hatfield sub-district: 137:1, Chislewell sub-district, except the parish of Theydon Bois (pop. 475); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:1, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchester Hill (see Table 5). § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 18th January, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						From All Causes.	From Diseases in Cols. 8-14.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
GREATER LONDON		448,334	5,758,500	30.2	2.2	3330	561	855	-	39	25	25	126	17	11	82	703
INNER LONDON	-	77,410	4,421,661	32.1	2.3	2720	415	695	-	24	22	22	104	15	6	65	626
OUTER RING	-	370,924	1,336,839	23.8	2.0	610	146	160	-	15	3	3	22	2	5	17	77

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 16,935,747 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrheal Diseases.	
CALCUTTA	433,219	November 30	-	263	31.6	2	1	-	-	-	80	65†	
BOMBAY	773,196	December 24	318	419	24.0	-	4	?	?	?	119	48†	
DELHI	398,777	" 6	327	262	34.1	-	5	?	?	?	81	34	
PARIS	2,260,945	January 11	1130	2065	47.5	1	10	3	23*	13	17	54	
BRUSSELS (and 8 Faubourgs.)	471,606	" 11	265	417	46.0	-	1	-	1	4	3	20	
AMSTERDAM	403,083	" 4	274	209	27.2	-	6	-	7	-	1	-	
ROTTERDAM	197,723	" 4	134	112	29.3	-	-	-	-	3	1	-	
THE HAGUE	153,440	" 4	101	40	13.5	-	-	-	-	1	-	-	
COPENHAGEN	307,000	" 11	220	169	28.7	-	-	3	9	1	4	4	
COPENHAGEN	228,218	" 4	207	120	27.3	-	-	5	4*	2	1	8	
CHRISTIANIA	138,300	" 11	73	69	25.9	-	6	-	7	2	-	2	
PETERSBURG	842,883	December 28	-	482	29.8	-	10	19	7	5	6	34	
BERLIN	1,489,672	" 28	1000	1069	36.5	-	6	4	37	18	5	30	
HAMBURG (State)	675,276	January 4	413	345	31.3	-	-	4	9*	5	8	17	
RESIDEN	264,196	" 4	155	168	32.4	-	5	-	6*	-	-	4	
RESIDEN	315,000	" 11	213	167	27.4	-	-	-	7*	1	1	14	
MUNICH	281,000	" 4	230	241	42.1	-	2	-	12*	1	-	16	
MUNICH	811,434	" 4	522	669	42.3	-	11	1	8	3	1	18	
BRAGUE	304,356	" 4	-	238	39.1	-	3	2	6	1	2	3	
BRAGA-PRISTE	452,907	" 4	334	321	36.0	-	-	1	10	-	4	20	
BRISTE	168,084	" 4	-	129	41.9	-	3	-	-	-	-	2	
ROME	407,936	November 2	252	183	23.4	2	-	-	6	-	16†	18	
PARIS (10 days)	306,398	December 20	255	252	30.0	-	7	-	-	-	5	13	
MUNICH	154,369	January 4	128	128	43.2	27	-	-	2*	-	2	12	
PARIS	374,838	December 26	399	422	58.7	-	-	-	2*	3	19	115	
ALEXANDRIA	231,396	" 26	253	213	48.0	3	-	1	1	2	10	59	
NEW YORK	1,571,300	" 28	-	762	25.4	-	7	3	30	6	6	16	
BROOKLYN	834,607	" 28	-	360	22.3	-	2	2	27	3	3	3	
PHILADELPHIA	1,040,245	" 28	-	404	20.3	-	3	1	10	1	26	5	
BALTIMORE	500,343	" 28	-	192	20.0	-	3	1	6	2	7	4	
NEW ORLEANS	254,000	November 30	-	121	24.9	-	-	-	2	-	4	9	

\* Including deaths from croup.

† Including 27 deaths from cholera in Calcutta, and 2 in Bombay.

‡ Including 6 deaths from malarial fever.





# WEEKLY RETURN

## BIRTHS AND DEATHS IN LONDON

AND IN  
TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 4. 1890. VOL. LI.]      WEEK ENDING SATURDAY, JANUARY 25.      [Price 1½d.

*General Register Office, Somerset House,*  
27th January, 1890.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 24·2 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.		Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.
Birkenhead	16·4	17·4	17·9	17·9	Liverpool - -	27·5	24·7	25·2	22·9
Birmingham	23·5	24·5	27·4	22·9	London - -	28·0	32·4	32·1	26·3
Blackburn -	31·7	21·9	24·9	21·5	Manchester -	32·8	33·8	28·4	26·9
Bolton -	31·1	21·2	24·8	23·9	Newcastle-on-Tyne	25·0	28·5	27·2	22·1
Bradford -	25·4	24·1	20·2	19·5	Norwich -	19·7	19·7	20·2	15·9
Brighton -	18·1	18·1	15·6	20·2	Nottingham -	17·7	19·4	14·9	16·8
Bristol -	26·3	23·8	25·8	27·2	Oldham -	19·9	24·2	14·9	23·5
Cardiff -	24·1	23·2	18·3	21·4	Plymouth -	26·5	30·4	21·2	20·5
Derby -	22·2	27·4	17·6	15·0	Portsmouth -	28·5	20·4	22·6	25·5
Halifax -	22·2	19·1	21·0	24·8	Preston -	32·2	23·8	25·8	27·8
Huddersfield	16·6	23·8	18·8	17·7	Salford -	22·6	19·8	20·9	18·9
Hull -	24·6	24·6	21·5	27·1	Sheffield -	24·4	26·6	23·5	21·0
Leeds -	27·1	29·0	26·1	27·1	Sunderland -	21·8	26·4	20·3	18·3
Leicester -	14·5	21·3	17·2	20·3	Wolverhampton -	28·1	19·4	21·9	25·6

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Liverpool and 1·3 in Wolverhampton; from *scarlet fever*, 1·0 in Manchester; and from *whooping-cough*, 1·0 in London, 1·5 in Hull, and 2·7 in Bristol and in Bolton. The death-rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 45 deaths from *diphtheria* in these towns included 22 in London, 4 in Manchester, 4 in Salford, 3 in Sheffield, 2 in Birmingham, and 2 in Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight great towns.

### LONDON.

In LONDON 2510 BIRTHS and 2227 DEATHS were registered. Allowing for increase of population, the births were 380 below, while the deaths exceeded by 260, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 28·0, 32·4, and 32·1 in the three preceding weeks, declined last week to 26·3. During the first four weeks of the current quarter the death-rate averaged 29·7 per 1000, and was 6·6 above the mean rate in the corresponding periods of the ten years 1880-89; the mean death-rate during the last four weeks in the twenty-seven provincial towns did not exceed 23·7 per 1000.

The 2227 deaths included 21 from *measles*, 10 from *scarlet fever*, 22 from *diphtheria*, 82 from *whooping-cough*, one from *typhus*, 10 from *enteric fever*, 14 from *diarrhœa* and *dysentery*, and not one from small-pox, ill-defined forms of continued fever, or *cholera*; thus, 160 deaths were referred to these diseases, being 83 below the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; but nine years after the last enumeration such an hypothesis is obviously somewhat untrustworthy.



No death from *small-pox* was registered, the corrected average being 14; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and 1 in the Highgate Small-pox Hospital. The fatal cases of *measles*, which had been 36, 24, and 24 in the three preceding weeks, further declined last week to 21, and were but half the corrected average; 6 belonged to Bethnal Green and 3 to Mile End Old Town sanitary areas. The 10 deaths from *scarlet fever* were fewer than in any recent week, and were 24 below the corrected average; 2 belonged to Camberwell sanitary area. The Metropolitan Asylum and London Fever Hospitals contained 1372 scarlet fever patients at the end of the week, against numbers declining on the four preceding Saturdays from 1609 to 1394; 91 cases were admitted to these hospitals during the week, against 122, 71, and 77 in the three preceding weeks. The deaths from *diphtheria*, which had been 32, 26, and 22 in the three previous weeks, were again 22 last week, but exceeded the corrected average by 2; 3 belonged to Chelsea and 2 to Islington sanitary areas. The 82 fatal cases of *whooping-cough* showed a further decline from the number in the two previous weeks, and were 19 below the corrected average; 7 belonged to Marylebone, 7 to Shoreditch, 10 to Poplar, and 10 to Battersea sanitary areas. The deaths attributed to *diarrhœa* and *dysentery*, which had been 12 and 6 in the two previous weeks, rose last week to 14, but were one below the corrected average.

The deaths referred to *enteric fever*, which had been 11 and 14 in the two preceding weeks, declined last week to 10, and were 5 below the corrected average; 2 belonged to Stepney and 2 to Lambeth sanitary areas. The fatal case of *typhus* was of a labourer, aged 26 years, in the Metropolitan Asylum Hospital at Deptford, to which the deceased had been admitted from 34, Vauban Street, Bermondsey. The Metropolitan Asylum Hospitals contained 82 cases of enteric fever and 3 of typhus on Saturday last; 5 cases of enteric fever were admitted during the week, against 7 and 8 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had been 4, 67, and 127 in the three preceding weeks, declined last week to 105; of these, 8 belonged to Paddington, 7 to St. George, Hanover Square, 6 to Marylebone, 6 to Pancras, 5 to Hackney, 5 to Bethnal Green, 8 to Lambeth, and 9 to Wandsworth sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 843, 1069, and 1010 in the three preceding weeks, further declined last week to 736, but were still 167 above the corrected average.

Different forms of violence caused 60 deaths, concerning all but 2 of which inquests were held. Of these 60 deaths, 5 were cases of suicide and 5 of murder or manslaughter, while the remaining 50 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 2 (including one attributed to opium-smoking) by poison, 7 by drowning, and 14 of infants aged under one year by suffocation.

The death of a male inmate of the Camberwell Union Workhouse, formerly an interpreter, whose age was stated to be 104 years, occurred on the 19th instant from "heart disease, albumenuria."

#### GREATER LONDON.

In Greater London 3313 births and 2782 deaths were registered, corresponding to annual rates of 30.0 and 25.2 per 1000 of the estimated population. In the Outer Ring 17 deaths from whooping-cough, 10 from diphtheria, 4 from measles, and 4 from scarlet fever, were registered. The fatal cases of whooping-cough included 5 in Tottenham, 3 in Croydon, and 3 in West Ham sub-districts. The deaths from diphtheria included 2 in Uxbridge and 2 in Willesden sub-districts. All the 4 deaths from measles occurred in West Ham, and 2 of the 4 from scarlet fever in Croydon sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.25 ins.; the lowest reading was 28.50 ins. on Thursday at noon, and the highest 29.60 ins. on Friday at noon. The mean temperature of the *air* was 42.7, and 3.3 above the average in the corresponding weeks of the 20 years ending 1868. The mean was slightly below the average on Monday, while it showed an excess on each of the other days of the week. The general direction of the *wind* was S.W., and the horizontal movement of the air averaged 21.2 miles per hour, which was 7.3 miles above the average in the corresponding weeks of 16 years. *Rain* fell on six days of the week, to the aggregate amount of 0.77 of an inch. The duration of registered bright sunshine in the week was 14.9 hours, against 16.5 hours at Glynede Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 25th January, 1890.

CITIES AND BOROUGHES.	POPULATION estimated to the middle of the Year 1860.*	Registered during the Week ending 25th Jan., 1880.		The DEATHS registered in the Week include													TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGHES.				
		BIRTHS.	DEATHS.	Deaths of		Deaths from								Annual Rate per 1000, corresponding to the Week's Deaths					19.	Highest.		Mean.	21.		22.	23.	24.	
				Infants under 1 Year of Age.	Persons aged 10 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	From All Causes.	(Diseases from Cols. 6-12.)		Lowest.	Fahrenheit.							
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.			
28 TOWNS	9,715,559	5580	4514	875	1127	-	50	46	45	145	31	37	129	272	807	78	24.2	1.9	55.5	29.1	40.9	4.94	1.11	2.82	- 28 TOWNS.			
LONDON	4,421,661	2510	2227	386	583	-	21	10	22	82	11	14	60	142	491	19	26.3	1.9	54.3	32.5	42.7	5.94	0.77	1.96	LONDON.			
BRIGHTON	123,659	55	48	6	16	-	-	-	-	3	-	-	1	2	2	1	20.2	1.7	51.1	35.0	43.3	6.28	0.91	2.31	BRIGHTON.			
PORTSMOUTH	142,962	66	70	12	17	-	-	-	-	2	-	-	5	8	8	1	25.5	1.1	-	-	-	-	-	-	PORTSMOUTH.			
NORWICH	95,352	63	29	6	11	-	-	-	-	-	-	-	1	2	3	-	15.9	0.5	-	-	-	-	-	-	NORWICH.			
PLYMOUTH	78,780	88	31	8	11	-	-	-	-	1	-	-	-	1	1	1	20.5	0.5	54.8	36.0	44.7	7.06	2.27	5.77	PLYMOUTH.			
Bristol	232,248	108	121	21	24	-	2	1	1	12	-	2	6	8	22	3	27.2	4.0	55.5	33.1	42.9	6.06	1.42	3.61	Bristol.			
WOLVERHAMPTON.	83,406	55	41	3	11	-	2	-	1	1	-	-	3	4	10	-	25.6	2.5	52.3	29.1	33.0	5.33	0.80	2.03	WOLVERHAMPTON.			
BIRMINGHAM	461,865	265	203	38	51	-	8	4	2	1	2	2	4	13	28	4	22.9	2.1	-	-	-	-	-	-	BIRMINGHAM.			
LEICESTER	154,344	95	60	14	15	-	-	-	1	-	-	-	1	7	10	1	20.3	0.3	-	-	-	-	-	-	LEICESTER.			
NOTTINGHAM	244,969	122	79	16	21	-	1	1	-	1	2	2	2	4	8	-	16.8	1.5	54.2	30.0	39.5	4.17	0.57	1.45	NOTTINGHAM.			
DERBY	100,871	63	29	6	9	-	-	-	-	1	-	-	1	2	2	-	15.0	1.0	-	-	-	-	-	-	DERBY.			
BIRKENHEAD	105,049	76	36	11	14	-	-	-	-	-	-	-	-	2	-	-	17.9	0.5	-	-	-	-	-	-	BIRKENHEAD.			
LIVERPOOL	618,463	369	270	69	38	-	12	6	1	8	2	-	13	14	46	15	22.9	2.5	55.2	32.8	41.1	5.03	1.08	2.74	LIVERPOOL.			
BOLTON	115,846	77	53	20	9	-	-	1	1	6	-	1	-	-	-	-	23.9	4.1	-	-	-	-	-	-	BOLTON.			
MANCHESTER	879,437	265	196	35	56	-	-	7	4	6	2	2	7	12	52	4	26.9	2.9	-	-	-	-	-	-	MANCHESTER.			
SALFORD	242,509	127	88	29	15	-	-	1	4	3	3	2	2	4	7	4	18.9	2.8	-	-	-	-	-	-	SALFORD.			
OLDHAM	146,716	65	66	10	15	-	-	1	-	2	-	-	3	5	13	1	23.5	1.1	-	-	-	-	-	-	OLDHAM.			
BLACKBURN	123,563	63	51	15	6	-	1	-	-	-	-	-	1	4	1	4	21.5	1.7	-	-	-	-	-	-	BLACKBURN.			
PRESTON	105,163	59	56	10	12	-	-	-	-	-	-	2	1	5	2	2	27.8	1.5	-	-	-	-	-	-	PRESTON.			
HUDDESFIELD	94,253	42	32	8	6	-	-	1	-	-	2	-	1	2	6	3	17.7	1.7	-	-	-	-	-	-	HUDDESFIELD.			
HALIFAX	82,034	53	39	6	7	-	-	-	1	-	-	-	-	-	3	-	24.8	0.6	-	-	-	-	-	-	HALIFAX.			
BRADFORD	240,515	127	90	18	16	-	-	3	-	-	-	1	-	3	10	4	19.5	0.9	53.4	33.0	40.0	4.44	2.38	6.05	BRADFORD.			
LEEDS	363,799	138	189	30	52	-	-	2	-	6	1	3	11	21	22	2	27.1	1.7	-	-	-	-	-	-	LEEDS.			
SHEFFIELD	332,837	201	134	29	34	-	2	3	3	1	2	1	1	1	15	6	21.0	1.9	-	-	-	-	-	-	SHEFFIELD.			
HULL	213,833	118	111	23	35	-	-	2	-	6	3	-	2	3	19	1	27.1	2.7	55.0	30.0	39.0	3.89	1.07	2.72	HULL.			
SUNDERLAND	136,606	95	48	7	15	-	-	-	-	-	-	-	-	1	3	2	18.3	0.0	49.0	31.0	40.3	4.61	0.36	0.91	SUNDERLAND.			
NEWCASTLE	162,987	113	69	21	12	-	-	1	-	2	-	-	2	5	10	2	22.1	1.6	51.0	31.0	38.4	3.56	0.53	1.35	NEWCASTLE.			
CARDIFF	117,012	92	48	18	6	-	-	-	-	-	-	1	2	3	6	1	21.4	0.4	-	-	-	-	-	-	CARDIFF.			
EDINBURGH	271,135	140	128	15	29	-	13	1	4	5	-	1	4	?	28	23	24.6	4.6	51.5	24.0	33.6	2.65	1.60	4.03	EDINBURGH.			
GLASGOW	530,203	382	260	48	50	-	19	1	2	7	5	5	10	?	30	26	25.6	2.8	52.9	26.9	38.4	3.56	2.54	6.45	GLASGOW.			
DUBLIN	365,032	194	330	21	86	-	-	1	-	10	8	-	3	11	108	33	48.8	3.5	54.0	32.7	40.4	4.67	0.94	2.39	DUBLIN.			

\* See note on first page of this Return.



*Births, Deaths, Meteorology.***TABLE 2. LONDON.—Births and Deaths Registered in the FOURTH Week of each of the Eleven Years, 1880–90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89,*	1890
<b>TOTAL Births</b>	2436	2864	2665	2670	2410	2727	2836	2579	2715	2599	2889·8	2510
Males . .	1275	1430	1341	1352	1224	1391	1419	1274	1382	1285	1458·2	1313
Females .	1161	1434	1324	1318	1186	1336	1417	1305	1333	1314	1431·6	1197
<b>TOTAL Deaths</b>	2200	2114	1971	1548	1531	1885	1769	1585	1816	1620	1967·1	2227
Males . .	1084	1043	956	807	779	939	860	813	878	848	982·2	1192
Females .	1116	1071	1015	741	752	946	909	772	938	772	984·9	1035

\* The numbers in this column are the average weekly numbers in the fourth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

	Nov. 2.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.
<b>TOTAL Births</b> - -	2623	2658	2522	2517	2321	2270	2535	2513	1815	2961	2818	2714	2510
<b>TOTAL Deaths</b> - -	1817	1350	1451	1375	1448	1683	1768	1816	1690	2371	2747	2720	2227
<b>Ages at Death</b> {													
0–20 years -	599	606	667	660	647	713	719	723	651	834	939	909	775
20–40 " -	200	181	188	176	184	196	227	216	220	346	367	450	349
40–60 " -	209	245	254	259	266	294	312	348	332	541	670	666	510
60–80 " -	253	265	265	222	292	392	418	424	396	552	640	576	503
80 years & upwards -	56	53	77	55	59	88	92	105	91	98	131	119	90
<b>"</b> {													
Under 1 year -	323	310	343	335	333	353	375	364	326	398	430	415	386
1–5 -	212	209	235	233	227	265	247	261	232	310	375	314	294
5–20 -	64	87	89	98	87	95	97	98	93	126	134	150	95
<b>Deaths from Small-pox</b> - -	-	1	-	-	-	-	-	-	-	-	-	-	-
" " Measles -	22	20	33	33	18	41	30	35	29	86	24	24	21
" " Scarlet fever -	20	23	24	17	19	24	12	22	14	15	13	22	10
" " Diphtheria -	31	23	38	30	33	47	35	27	26	32	26	22	22
" " Whooping-cough -	21	24	37	31	44	47	49	60	67	98	112	104	82
" " Typhus -	-	-	1	-	-	-	-	1	2	-	-	-	1
" " Enteric fever -	19	11	20	22	15	8	15	12	13	12	11	14	10
" " Simple Cont <sup>d</sup> fever -	-	-	-	2	1	2	-	-	-	-	1	1	-
" " Diarrhœa and Dysentery } -	17	17	16	17	12	12	14	13	19	10	12	6	14
" " Cholera -	-	1	-	-	-	-	-	-	-	-	-	-	-
" " all the above-mentioned Diseases } -	130	120	169	152	142	181	155	170	170	203	199	193	160
" " Dis. of Respiratory System } -	300	318	321	328	345	432	552	518	467	843	1069	1010	736
" " Phthisis -	125	141	154	169	183	161	182	161	180	247	267	312	239
" " Dis. of Circulatory System } -	104	122	121	113	126	165	163	189	158	222	275	209	193
<b>Violent Deaths</b> - -	59	51	65	57	53	56	55	69	47	91	55	65	60
<b>Inquest Cases</b> - -	123	97	122	114	113	128	124	156	121	195	192	171	142
<b>Deaths in Public Institutions</b>	309	313	363	314	336	358	422	419	400	495	534	626	491
<b>TEMPERATURE OF THE AIR</b>													
Mean -	47·3	47·3	46·8	44·9	37·6	32·1	33·1	43·5	39·8	32·8	47·6	45·5	42·7
Mean of Highest readings -	54·0	53·3	52·7	48·2	43·4	35·8	42·5	47·3	44·0	36·7	52·4	50·6	48·4
Mean of Lowest readings -	41·4	40·8	41·0	41·3	32·0	27·8	31·9	38·1	35·2	28·5	43·0	39·4	36·9
<b>Humidity of the Air</b> - -	88	90	93	94	84	85	92	94	90	97	89	86	84
<b>Rain-fall in inches</b> - -	0·78	0·26	0·01	0·13	0·32	0·23	0·23	0·33	0·61	0·11	0·40	0·13	0·77
<b>Registered Sunshine (in hours)</b>	23·1	3·9	11·9	0·0	5·9	8·4	4·4	2·1	3·2	5·0	10·1	7·3	14·9

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—P. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; F. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FOURTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 4th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 25th January 1890.								Corrected Averages for the 4th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 25th January 1890.									
		Deaths of Persons of the Ages									Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.			80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.		80 Years and upwards.
			0-1.	1-5.	5-20.			0-1.	1-5.				5-20.	0-1.	1-5.			5-20.		
ALL CAUSES -	1967.1	2227	386	294	95	349	510	503	90	Diseases of Organs of Special Sense † -	1.5	2	-	1	1	-	-	-	-	
Small-pox { Vaccinated † - Unvaccinated - No Statement - }	13.7 {	-	-	-	-	-	-	-	-	Diseases of Circulatory System -	147.6	193	1	-	9	22	66	84	11	
Measles -	41.7	21	4	16	1	-	-	-	-	Croup -	15.8	7	1	6	-	-	-	-	-	
Scarlet Fever -	33.6	10	-	6	4	-	-	-	-	Bronchitis -	372.6	468	63	69	4	25	116	133	24	
Typhus -	1.1	1	-	-	-	1	-	-	-	Pneumonia -	117.8	193	30	44	8	44	45	20	2	
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	Pleurisy -	7.0	5	1	-	1	2	-	1	-	
Influenza -	0.3	105	4	4	3	30	40	22	2	Other Diseases of Respiratory System -	55.3	63	4	6	1	13	17	21	1	
Whooping-cough -	101.3	82	22	53	2	-	-	-	-	Dentition † -	16.9	20	11	9	-	-	1	-	-	
Diphtheria -	20.1	23	-	11	9	1	1	-	-	Quincy, Sore Throat †	1.2	3	2	-	-	-	1	-	-	
Simple Continued and Ill-defined Fever -	1.6	-	-	-	-	-	-	-	-	Enteritis -	8.0	10	4	2	-	1	2	1	-	
Enteric Fever -	14.5	10	-	-	-	5	4	1	-	Peritonitis -	7.4	4	-	-	2	2	-	-	-	
Cholera -	0.0	-	-	-	-	-	-	-	-	Diseases of Liver -	28.9	25	2	-	1	2	13	5	2	
Diarrhoea, Dysentery -	15.4	14	7	3	-	-	1	3	-	Other Diseases of Digestive System -	30.5	32	9	2	2	4	9	6	-	
Remittent Fever -	0.1	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † -	1.7	2	-	-	-	2	-	-	-	
Hydrophobia -	0.2	-	-	-	-	-	-	-	-	Diseases of Urinary System -	38.5	47	1	-	-	13	17	15	1	
Glanders -	0.0	-	-	-	-	-	-	-	-	Diseases of Generative System -	6.7	6	-	-	-	1	3	1	1	
Cowpox and Effects of Vaccination † -	0.0	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4.6	4	-	-	-	4	-	-	-	
Veneral Affections -	11.8	9	9	-	-	-	-	-	-	Diseases of Locomotive System † -	10.6	4	-	1	1	1	-	1	-	
Erysipelas -	6.9	3	1	1	1	-	-	-	-	Diseases of Integumentary System -	6.9	6	3	-	-	-	-	3	-	
Pyæmia and Septicæmia †	3.5	3	2	1	-	-	-	-	-	VIOLENT DEATHS. ‡										
Puerperal Fever -	9.2	5	-	-	-	4	1	-	-	(ACCIDENT.)										
Other Zymotic Diseases †	1.7	-	-	-	-	-	-	-	-	Fracture and Contusion	19.4	24	-	2	2	8	5	7	-	
Thrush -	1.9	-	-	-	-	-	-	-	-	Gunshot Wound -	0.0	-	-	-	-	-	-	-	-	
Worms and other Parasitical Diseases -	0.7	-	-	-	-	-	-	-	-	Cut, Stab -	0.2	-	-	-	-	-	-	-	-	
Starvation, Want of Breast-milk † -	1.7	-	-	-	-	-	-	-	-	Burn and Scald -	11.8	2	-	-	1	1	-	-	-	
Alcoholism -	4.0	10	-	-	-	4	4	2	-	Poison -	1.2	2	-	-	-	2	-	-	-	
Rheumatic Fever, Rheumatism of Heart †	9.4	14	-	1	6	4	3	-	-	Drowning -	4.0	7	-	-	-	3	1	-	-	
Rheumatism † -	3.6	4	-	-	-	1	2	1	-	Suffocation -	17.6	14	14	-	-	-	-	-	-	
Gout -	4.4	3	-	-	-	-	-	3	-	Otherwise -	3.5	1	1	-	-	-	-	-	-	
Rickets † -	3.9	8	3	5	-	-	-	-	-	(HOMICIDE.)										
Cancer -	51.3	63	-	-	-	10	23	25	-	Murder & Manslaughter	2.0	5	3	1	1	-	-	-	-	
Tubes Mesenterica -	21.4	17	9	4	2	2	-	-	-	(SUICIDE.)										
Tubercular Meningitis -	27.7	20	8	6	6	-	-	-	-	Gunshot Wound -	0.3	-	-	-	-	-	-	-	-	
Phthisis -	183.7	239	2	3	12	119	83	15	-	Cut, Stab -	1.0	-	-	-	-	-	3	-	-	
Serofula, Tuberculosis -	14.7	22	2	9	5	3	3	-	-	Poison -	0.9	3	-	-	-	-	-	-	-	
Other Constitutional Diseases † -	13.2	15	1	-	2	3	1	8	-	Drowning -	0.7	-	-	-	-	-	-	-	-	
Premature Birth -	41.2	52	52	-	-	-	-	-	-	Hanging -	1.1	1	-	-	-	1	-	-	-	
Atelectasis † -	2.3	3	3	-	-	-	-	-	-	Otherwise -	0.1	1	-	-	-	-	1	-	-	
Congenital Malformations -	7.3	3	2	-	1	-	-	-	-	(EXECUTION.)										
Old Age -	68.3	71	-	-	-	-	-	33	38	Hanging -	0.0	-	-	-	-	-	-	-	-	
Apoplexy -	50.7	43	-	-	-	3	14	23	3	OTHER CAUSES † -	65.8	63	56	4	1	1	3	3	-	
Epilepsy -	7.5	5	-	-	-	3	2	-	-											
Convulsions -	51.6	41	32	9	-	-	-	-	-											
Other Diseases of Brain and Nervous System	97.9	87	13	10	6	4	14	30	5											

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE E. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and from other Zymotic Diseases, during the Week ending

		The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births	Total Deaths.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.					
LONDON		3,815,704	2510	2227	386	593	-	21	10	22	82	1	10	-	14	60	142	491			
West Districts		669,688	378	410	68	113	-	2	2	8	12	-	1	-	2	8	31	93			
North Districts		905,947	555	482	78	130	-	5	3	7	13	-	2	-	1	11	26	100			
Central Districts		282,238	145	169	29	44	-	1	-	1	1	-	-	-	1	6	12	54			
East Districts		692,738	509	424	87	100	-	9	2	25	-	3	-	-	3	15	83	108			
South Districts		1,265,148	923	741	124	206	-	4	3	4	81	1	4	-	7	20	85	180			
Metropolitan Asylums Hos- pitals Outside Registration London		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
West Districts.																					
St. Mary Paddington WHH G.J. & W.M.		69888	51	48	5	21	-	-	-	-	3	-	-	-	-	1	4	6			
St. John Paddington H - G.J.		37380	9	20	3	4	-	1	-	-	1	-	-	-	-	2	2	8			
Kensington Town Ww - W.M.		120141	55	56	13	18	-	-	-	1	4	-	-	-	-	1	6	6			
Brompton H - W.M. & C.		43010	11	14	2	2	-	-	-	-	-	-	-	-	-	-	1	6			
St. Peter Hammersmith - W.M.		7599	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. Paul Hammersmith H W.M. & G.J.		64340	57	40	11	8	-	-	-	-	1	-	-	-	1	1	4	3			
Fulham Ww - W.M. & C.		42900	55	51	11	10	-	1	1	3	2	-	-	-	-	3	14	-			
Chelsea South HHH - C.		30398	12	22	5	4	-	-	-	1	2	-	-	-	-	1	1	8			
Chelsea North-west WHHHHH - C.		24925	8	25	3	8	-	-	-	-	-	-	-	-	1	-	1	18			
Chelsea North-east - C.		32807	18	13	2	3	-	-	-	-	1	-	-	-	-	-	2	-			
May Fair WW - G.J.		80353	3	24	-	15	-	-	-	-	-	-	-	-	-	-	-	14			
Belgrave WHHH - C.		59220	84	38	4	8	-	-	2	-	-	-	1	-	-	2	5	11			
St. John Westminster HHH - C.		35498	29	26	3	5	-	-	-	-	-	-	-	-	-	-	1	1			
St. Margaret Westminster H - C.		24679	12	16	1	4	-	-	-	-	-	-	-	-	-	-	-	5			
St. James Westminster WHH N.R. & G.J.		29941	11	12	3	4	-	-	-	-	-	-	-	-	-	-	-	2			
St. Anne Soho HHHHHHH - N.R.		16808	8	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1			
North Districts.																					
All Souls Marylebone HHHHH W.M.		26759	11	24	-	5	-	-	-	-	2	-	-	-	-	3	4	14			
Cavendish Square HHHH - W.M.		14891	4	4	1	1	-	-	-	-	-	-	-	-	-	1	-	-			
Rectory Marylebone WHH G.J. & W.M.		24809	12	16	3	6	-	-	-	-	-	-	-	-	-	-	2	4			
St. Mary Marylebone HHH G.J. & W.M.		21118	22	14	3	3	-	-	-	-	-	-	-	-	-	-	-	-			
Christchurch Marylebone HH - W.M.		33700	18	17	3	3	-	-	-	-	-	-	-	-	-	-	-	-			
St. John Marylebone H - W.M.		33633	13	22	3	9	-	-	-	-	2	-	-	-	1	1	2	-			
Hampstead WwHHHH N.R. & W.M.		45452	27	26	1	6	-	2	1	-	-	-	-	-	-	1	1	5			
Regent's Park Paneras H - W.M.		39115	24	12	3	2	-	-	-	-	-	-	-	-	-	-	-	-			
Tottenham-court WHHHH N.R. & W.M.		27729	9	24	1	8	-	-	-	2	-	-	-	-	-	-	-	13			
Gray's Inn Lane HHH - N.R.		30247	22	19	1	1	-	-	-	-	-	-	-	-	-	1	4	6			
Somers Town H - N.R.		34369	18	16	2	3	-	-	-	-	-	-	-	-	-	-	1	2			
Camden Town WH - N.R.		17311	19	18	3	5	-	-	-	-	-	-	-	-	-	-	-	13			
Kentish Town W - N.R.		87487	55	42	8	13	-	1	-	1	-	-	-	-	-	-	-	7			
Upper Holloway WWH - N.R.		67946	42	57	11	14	-	2	-	1	2	-	1	-	-	-	2	20			
Islington South-west HH - N.R.		100976	64	81	8	9	-	-	-	-	-	-	-	-	-	-	1	-			
Islington South-east - N.R.		61825	44	29	10	10	-	-	-	-	-	-	-	-	3	7	-	-			
Highbury H - N.R.		52048	36	18	4	9	-	-	-	1	-	-	-	-	-	-	-	1			
Stoke Newington H - N.R.		22781	15	11	-	5	-	-	-	-	-	-	-	-	-	-	-	-			
Stamford Hill - E.L.		9277	7	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
West Hackney H - N.R.		37610	18	14	1	1	-	-	-	-	-	-	-	-	-	-	-	1			
Hackney WwHH - E.L. & N.R.		76911	52	45	7	14	-	1	3	1	-	-	-	-	1	2	11	-			
South Hackney - E.L.		39888	23	17	4	2	-	1	-	-	1	-	1	-	-	-	-	-			
Central Districts.																					
St. George Bloomsbury - N.R.		16681	6	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - N.R.		14864	16	18	3	7	-	-	-	-	-	-	-	-	-	-	-	9	-		
St. Giles North - N.R.		13887	4	4	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-		
St. Martin-in-the-Fields HH N.R. & C.		17508	4	9	1	1	-	-	-	-	-	-	-	-	-	-	-	7	-		
St. Mary-le-Strand H - N.R.		7515	2	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Danes H - N.R.		8559	2	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1		
Strand Union Workhouse, Edmonton w.		-	-	7	-	6	-	-	-	-	-	-	-	-	-	-	-	7	-		
St. Geo.-the-Martyr HHHHHH N.R.		18671	10	15	5	5	-	-	-	-	-	-	-	-	-	-	-	5	-		
St. Andrew Eastern W - N.R.		10705	4	7	1	2	-	-	-	-	-	-	-	-	-	1	1	-	-		
Saffron Hill H - N.R.		6553	3	3	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - N.R.		17516	13	10	3	-	-	-	-	-	-	-	-	-	-	1	1	-	-		
Amwell Clerkenwell - N.R.		19281	15	9	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-		
Pentonville - N.R.		14773	13	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
Goswell-street - N.R.		17503	9	7	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-		
Old-street H - N.R.		11541	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HHL - N.R.		18623	19	13	5	4	-	1	-	-	-	-	-	-	-	-	-	2	-		
Whitecross-street - N.R.		9217	3	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury - N.R.		7453	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham, w.		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
St. Botolph H - N.R. & E.L.		11174	6	8	1	4	-	-	-	-	-	-	-	-	-	-	-	1	3		
Cripplegate - N.R.		7193	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - N.R.		5553	2	23	-	2	-	-	-	1	-	-	-	-	-	3	4	20	-		
St. Bride W - N.R.		8396	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Allhallows Barking - N.R.		18666	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - N.R.		6652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving inmates from other Districts than that in which it is situated; see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J., signifying Grand Junction Company; W.M., West Middlesex; C., Chelsea; S., Southwark and Vauxhall; L., Lambeth; N.R., New River; E.L., East London; and K., the Kent Company.

, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
ay, 25th January, 1890.

		The DEATHS registered in the Week include:															
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Deaths.	Deaths from										Deaths in Public Institutions.	Uncertified Causes in 1882.		
				Deaths of	Deaths from												
				Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.		
EAST DISTRICTS.																	
all Shoreditch	N.R. & E.L.	7376	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-
ard Shoreditch	HL*	14967	9	11	4	-	-	-	-	-	-	-	-	-	-	-	-
a New Town	-	29337	15	23	4	10	-	-	-	-	-	-	-	-	-	-	-
n Old Town	-	28036	21	16	6	5	-	-	-	-	-	-	-	-	-	-	-
aston WH	-	46275	48	58	5	13	-	1	-	-	-	-	-	-	-	-	-
al Green North	H	51157	37	29	6	5	-	3	-	2	-	-	-	2	1	1	-
al Green South	-	34399	29	18	5	2	-	2	-	-	-	-	-	-	1	1	-
al Green East	WHL*	41405	26	40	6	14	-	1	-	-	-	-	-	1	1	1	18
fields	-	22585	11	9	1	2	-	-	-	-	-	-	-	-	-	-	-
nd New Town	W	15478	23	17	1	5	-	-	-	1	-	-	-	-	-	1	11
chapel Church	H	17490	11	27	2	2	-	1	-	-	-	2	-	-	-	1	17
an's Fields	-	9713	8	3	3	-	-	-	-	-	-	-	-	-	-	-	-
te	-	6102	6	5	-	2	-	-	-	-	-	-	-	-	1	1	-
orge's North	-	28747	29	13	3	1	-	-	-	-	-	-	-	-	-	3	-
hn, St. George East	W	8410	8	13	1	3	-	-	-	2	-	-	-	-	-	7	-
ell H	-	10935	10	6	2	1	-	-	-	-	-	-	-	-	1	1	3
H	-	16107	6	7	-	4	-	-	-	-	-	-	-	-	-	-	-
ouse	-	32041	22	18	3	2	-	-	-	-	-	1	-	-	2	3	-
End Old Town West	H	37960	45	10	2	2	-	-	-	3	-	-	-	-	1	2	3
End Old Town East	WHL	67653	39	32	9	9	-	3	-	-	-	-	-	-	1	2	8
L*	-	37074	28	50	4	5	-	-	-	3	-	-	-	-	1	2	-
ley WH	-	64359	41	41	8	10	-	-	-	2	-	-	-	-	3	6	21
r. WHH	-	55077	35	31	11	6	-	-	-	5	-	-	-	-	1	4	4
SOUTH DISTRICTS.																	
church Southwark	WH	15663	13	8	1	5	-	-	-	1	-	-	-	-	-	-	5
aviour Southwark	-	14999	7	7	-	1	-	-	-	-	-	-	-	-	-	-	-
-road	-	21381	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-
ugh-road WH	-	15953	12	14	-	2	-	-	-	1	-	-	-	-	2	1	3
on-road HL	-	21318	10	13	4	3	-	-	-	-	-	-	-	-	-	-	2
ey Newington	-	26672	18	10	2	3	-	-	1	-	-	-	-	-	-	-	-
eter Walworth	W	55555	33	18	6	11	-	-	-	1	-	-	-	-	1	1	9
ary Newington	-	21623	17	14	3	4	-	-	-	-	-	-	-	-	-	-	2
ave WH	-	11056	9	18	4	2	-	-	-	-	-	-	-	-	-	-	-
er Market	-	16300	10	10	2	1	-	-	-	-	-	-	-	-	-	-	1
ary Magdalen	W	16689	7	16	1	5	-	1	-	-	-	-	-	-	-	6	-
ames Bermondsey	-	54682	36	21	1	2	-	-	-	1	2	-	-	-	1	2	-
erithie WH	-	36024	32	25	3	8	-	-	1	-	-	-	-	-	1	2	3
erloo-road 1st	H	15195	17	7	2	2	-	-	-	-	-	-	-	-	-	-	1
erloo-road 2nd	H	16361	14	3	-	-	-	-	-	-	-	-	-	-	-	-	-
eth Church 1st	H	15876	10	25	2	7	-	-	-	1	-	-	-	-	2	3	11
eth Church 2nd	W	39859	29	28	2	10	-	-	-	1	-	-	-	-	-	1	14
ington 1st	-	45282	32	23	8	3	-	-	-	2	-	1	-	-	-	1	1
ington 2nd	-	36832	20	19	4	4	-	-	-	-	-	-	-	-	-	-	1
ton WH	-	62837	43	29	4	6	-	1	1	1	1	-	-	-	-	-	1
ood W	-	19017	19	8	1	1	-	-	-	-	-	-	-	-	-	-	-
Battersea	-	54675	49	33	7	5	-	1	-	-	6	-	-	-	-	1	-
Battersea WH	-	52587	50	44	9	12	-	-	-	-	4	-	1	-	1	13	-
ham H	-	36380	13	16	1	8	-	-	-	-	-	-	-	-	1	2	1
dsworth WH	-	28004	31	12	4	4	-	-	-	-	-	-	-	-	-	-	-
ey	-	18235	10	11	4	4	-	-	-	1	-	-	-	-	-	-	2
atham	-	25553	32	25	7	7	-	-	-	1	-	-	-	1	-	-	-
wich	-	5590	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-
erwell W & L*	-	59104	34	43	5	12	-	-	-	2	-	-	-	-	1	1	20
ham W	-	71089	64	43	8	13	-	1	-	2	-	-	-	-	1	3	1
George Camberwell	-	50810	44	25	2	6	-	1	1	-	-	-	-	1	-	-	1
Paul Deptford WH	-	76752	55	41	9	10	-	-	-	1	1	2	-	2	2	3	5
Nicholas Deptford	-	7901	8	3	-	1	-	-	-	-	-	-	-	-	-	-	-
onwich West H	-	21972	10	7	2	3	-	-	-	1	-	-	-	-	-	-	1
onwich East WHH	-	24603	28	22	-	13	-	-	-	-	-	-	-	-	2	2	15
am H	-	7043	-	1	-	1	-	-	-	-	-	-	-	-	-	-	2
H	-	21559	7	8	1	2	-	-	-	-	-	-	-	-	1	-	-
isham WH	-	19855	19	12	1	4	-	-	-	-	-	-	-	-	-	1	4
enham H	-	26076	11	11	1	2	-	-	-	-	-	-	-	-	-	-	-
lton HH	-	10930	9	8	2	3	-	-	-	1	-	-	-	-	-	-	1
olwich Dockyard	-	17617	14	10	4	2	-	-	-	-	-	-	-	-	-	1	-
olwich Arsenal HH	-	19048	7	10	2	3	-	-	-	-	-	-	-	-	-	-	-
instead, West H	-	14009	8	9	1	2	-	-	-	1	-	-	-	1	-	-	-
instead, East W	-	19241	27	15	4	3	-	-	-	-	-	-	-	-	1	1	2
Metropolitan Asylum Hospitals:																	
Dartford W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Winchmore Hill W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plaistow W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by W:-

Marylebone Infirmary in Kensington Town sub-district.  
Central London Sick Asylum in Tottenham Court sub-district.  
Holborn Infirmary in Upper Holloway sub-district.  
London City Workhouse " Hoxton New Town sub-district.  
Holborn " Mile End Old Town Eastern sub-dist.  
Whitechapel " Mile End Old Town Eastern sub-dist.  
London City " Mile End Old Town Eastern sub-dist.  
and Bromley sub-district.

\* Private Lunatic Asylums in which papers are received.

Stepney Workhouse in Bromley sub-district.  
Poplar & Stepney Sick Asylum " Westminster Union Industrial School in West Battersea sub-district.  
St. Saviour's Infirmary in Camberwell sub-district.  
Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hockney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.  
Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.— OUTER RING.— AREA ; POPULATION : BIRTHS and DEATHS registered during Week ending Saturday, 25th January, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from										Inquest Cases,	Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.				
LONDON—OUTER RING		370,924	950,957	803	555	94	147	-	4	4	10	17	1	3	17	23	58		
30:1	Carshalton <i>wL</i>	12258	21118	6	8	1	4	-	-	-	-	-	-	-	1	1	2		
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
37:1	Godstone ( <i>part of</i> ) *	2754	1235	2	1	-	-	-	-	-	1	-	-	-	-	-	-		
38:1	Croydon <i>WwFHI</i>	20651	101241	69	44	6	11	-	-	2	-	3	-	1	1	3	5		
2	Mitcham <i>w†</i>	11697	17932	11	7	2	1	-	-	-	-	-	-	-	-	2	-		
39:1	Wimbledon <i>HHH</i>	3220	15950	15	11	2	2	-	-	-	-	-	-	-	-	1	-		
2	Kingston <i>WHH</i>	8540	36354	24	17	1	7	-	-	-	-	-	-	-	-	-	8		
3	Esher ( <i>part of</i> ) *	6601	9221	5	4	1	1	-	-	-	-	-	-	-	1	1	-		
4	Hampton <i>H</i>	4573	13599	9	8	4	3	-	-	-	-	-	-	-	-	-	-		
40:1	Richmond <i>WH</i>	2272	21302	13	11	2	3	-	-	-	-	-	-	1	-	-	1		
2	Mortlake	2941	12331	11	5	2	2	-	-	-	-	1	-	-	1	-	-		
41:1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15659	31142	25	13	3	4	-	-	-	-	-	-	-	-	-	-		
2	Chislehurst ( <i>pt. of</i> ) * <i>WHH</i>	14307	15844	1	3	1	1	-	-	-	-	-	1	-	-	-	1		
42:1	Bexley <i>H</i>	13437	24134	13	6	-	3	-	-	-	-	-	-	-	-	-	-		
2	Dartford ( <i>Ww, pts. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
124:1	Sunbury <i>w</i>	11055	11685	6	2	1	-	-	-	-	-	-	-	-	-	-	-		
2	Staines <i>W</i>	13277	12089	9	4	1	1	-	-	-	-	-	-	-	-	-	-		
125:1	Hillingdon <i>WHH</i>	6029	10802	5	7	-	2	-	-	-	-	-	-	-	-	-	2		
2	Uxbridge	6178	5225	2	4	-	1	-	-	-	2	-	-	-	-	-	-		
3	Hayes <i>wHL</i>	14537	11523	7	15	1	4	-	-	-	-	-	-	-	-	-	10		
126:1	Isleworth <i>WHH</i>	7008	22727	16	15	1	8	-	-	-	-	-	-	-	-	-	4		
2	Twickenham <i>H</i>	2477	12479	10	3	-	-	-	-	-	-	-	-	-	-	-	-		
3	Brentford <i>HL</i>	4245	27649	18	21	5	6	-	-	-	1	-	-	-	1	1	1		
4	Chiswick	1340	15975	14	12	2	5	-	-	-	-	-	-	-	2	2	-		
5	Acton <i>wH</i>	6083	22876	11	10	2	3	-	-	-	1	-	-	-	1	-	-		
127:1	Harrow <i>H</i>	13809	12796	10	5	-	2	-	-	-	-	-	-	-	-	-	-		
2	Edgware <i>H</i>	6994	3749	2	4	1	2	-	-	-	-	-	-	-	-	-	-		
3	Willesden	4383	27453	37	17	2	2	-	-	-	2	-	-	-	1	1	-		
4	Hendon <i>W</i>	8332	10434	7	5	1	2	-	-	-	-	-	-	-	-	-	-		
137:1	Bushey	9331	6621	4	2	-	2	-	-	-	-	-	-	-	-	1	-		
2	Watford ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
128:1	South Mimms	15599	6391	4	6	2	1	-	-	-	-	-	-	-	-	-	-		
2	Barnet	5433	10092	10	1	-	-	-	-	-	-	-	-	-	-	-	-		
3	Finchley <i>HL</i>	4688	17615	15	17	-	6	-	-	-	-	-	-	1	-	-	8		
135:1	Hatfield ( <i>part of</i> ) *	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
129:1	Hornsey <i>H</i>	3039	37078	23	23	5	9	-	-	-	-	1	-	-	-	2	-		
2	Tottenham <i>H</i>	4642	46456	73	45	7	10	-	-	-	-	5	-	-	1	1	2		
3	Edmonton <i>Ww†</i>	74:3	23463	21	9	1	3	-	-	-	-	-	-	-	-	-	4		
4	Enfield <i>WH</i>	12653	19104	20	18	2	9	-	-	-	-	-	-	-	1	1	2		
5	Waltham Abbey	11017	5348	6	1	-	1	-	-	-	-	-	-	-	-	-	-		
6	Cheshunt	8490	7735	3	3	-	2	-	-	-	-	-	-	-	-	-	-		
136:1	Stratford	882	38606	21	21	4	1	-	-	1	1	2	-	-	1	1	-		
2	West Ham <i>wowwL</i> §	4055	90347	127	59	15	6	-	4	-	1	3	-	-	6	7	2		
3	East Ham	3298	10706	18	16	6	1	-	-	-	-	1	-	-	1	1	-		
4	Leyton <i>WwL</i>	4372	32430	41	29	3	9	-	-	-	-	1	-	-	-	-	6		
5	Walthamstow <i>H</i>	6520	28869	30	19	3	2	-	-	1	-	-	-	-	-	-	-		
137:1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9639	9	7	2	3	-	-	-	-	-	-	-	-	-	-		
2	Epping ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
139:1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	1	3	-	1	-	-	-	-	-	-	-	-	-	-		
2	Ilford	8493	7645	4	5	-	1	-	-	-	1	-	-	-	-	-	-		
3	Barking Town	4127	9203	11	4	2	-	-	-	-	-	-	-	-	-	-	-		

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37: 1, the parishes of Waringham and Farley in Godstone's district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadman & Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139: 1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 1, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). § Exclusive of deaths of London residents in St. Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 25th January, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from								Deaths in Public Institutions.	
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
ER LONDON	448,334	5,758,500	25.2	1.8	2782	430	740	-	25	14	32	99	12	17	77	549	
ER LONDON -	77,410	4,421,661	26.3	1.9	2327	386	593	-	21	10	22	82	11	14	60	491	
ER RING -	370,924	1,336,839	21.6	1.5	555	94	147	-	4	4	10	17	1	3	17	58	

—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 622 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 16,935,747 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ATTA - -	433,219	December 7	-	294	35.4	3	-	-	3	-	79	74†	
AY - -	773,196	" 31	316	434	24.8	-	2	-	?	?	144	43†	
AS - -	398,777	" 13	343	235	33.2	2	2	?	?	?	56	31†	
- - -	2,260,945	January 18	1264	1493	34.3	-	10	3	20*	16	12	41	
ELS - - (Aubourgs.)	471,606	" 18	-	-	-	-	-	-	-	-	-	-	
ERDAM -	403,083	" 11	333	362	47.1	-	5	-	4	2	2	-	
ERDAM -	197,723	" 11	134	112	28.6	-	-	-	-	3	1	-	
LAGUE -	153,440	" 11	94	105	35.5	-	-	-	-	1	-	-	
HAGEN -	307,000	" 18	199	124	21.1	-	-	1	9	3	1	1	
HOLM -	228,218	" 11	136	92	20.9	-	-	4	4*	2	-	4	
IANIA -	138,300	" 18	73	83	31.3	-	17	1	12	3	-	4	
TERSBERG	842,883	" 4	-	521	32.3	-	7	23	6	5	16	46	
N - -	1,489,672	" 4	977	918	32.2	-	8	11	29	9	6	35	
URG(State)	575,276	" 11	-	-	-	-	-	-	-	-	-	-	
EN - -	264,196	" 11	186	201	33.8	-	2	-	7*	-	1	1	
AU - -	315,000	" 18	228	206	33.8	-	-	-	5*	2	2	9	
CH - -	281,000	" 11	266	272	47.5	-	6	-	15*	-	1	21	
TA - -	811,434	" 11	580	544	34.4	1	8	1	5	-	2	24	
UN - -	304,356	" 11	-	337	57.8	3	5	3	7	5	2	3	
-PESTH -	452,907	" 11	331	453	51.4	-	1	1	4	-	7	19	
TE - -	158,084	" 11	-	155	50.3	-	2	-	1	2	1	2	
- - -	158,084	" 18	84	158	51.3	-	3	1	4*	-	-	2	
- - -	407,936	November 9	250	169	21.5	1	-	-	5	-	8†	16	
N (11 days)-	306,393	December 31	-	-	-	-	-	-	-	-	-	-	
EN - -	154,369	January 11	99	120	40.5	30	-	-	-	-	-	3	
O - -	374,838	" 2	408	407	56.7	1	-	-	2*	8	13	130	
ANDRIA -	231,396	" 2	212	203	45.5	4	-	-	1	1	10	47	
YORK -	1,571,300	" 4	-	1212	40.2	-	7	11	31	12	7	19	
ELYN -	834,607	" 4	-	471	23.8	-	-	2	23	5	4	5	
ADPHIA -	1,040,245	" 4	-	493	24.7	-	-	5	17	3	24	1	
MORE -	500,343	" 4	-	166	17.3	-	6	-	7	-	2	1	
ORLEANS -	254,000	December 7	-	141	29.0	-	-	-	-	-	1	15	

\* Including deaths from croup.

† Including 22 deaths from cholera in Calcutta, 7 in Bombay, and 3 in Madras.

‡ Including 6 deaths from malarial fever.





# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

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General Register Office, Somerset House,  
3rd February, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 22·8 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.		Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.
Birkenhead	17·4	17·9	17·9	18·4	Liverpool -	24·7	25·2	22·9	22·8
Birmingham	24·5	27·4	22·9	26·5	London -	32·4	32·1	26·3	21·8
Blackburn	21·9	24·9	21·5	27·0	Manchester	33·8	28·4	26·9	29·3
Bolton	21·2	24·8	23·9	20·7	Newcastle-on-Tyne	28·5	27·2	22·1	25·9
Bradford	24·1	20·2	19·5	22·8	Norwich	19·7	20·2	15·9	21·9
Brighton	18·1	15·6	20·2	24·5	Nottingham	19·4	14·9	16·8	14·5
Bristol	23·8	25·8	27·2	26·7	Oldham	24·2	14·9	23·5	21·7
Cardiff	23·2	18·3	21·4	19·2	Plymouth	30·4	21·2	20·5	28·5
Derby	27·4	17·6	15·0	17·1	Portsmouth	20·4	22·6	25·5	20·1
Halifax	19·1	21·0	24·8	19·1	Preston	23·8	25·8	27·8	24·3
Huddersfield	23·8	18·8	17·7	23·8	Salford	19·8	20·9	18·9	21·3
Hull	24·6	21·5	27·1	23·7	Sheffield	26·6	23·5	21·0	26·2
Leeds	29·0	26·1	27·1	24·7	Sunderland	26·4	20·3	18·3	28·6
Leicester	21·3	17·2	20·3	19·9	Wolverhampton	19·4	21·9	25·6	23·1

The highest annual death-rates, measured by last week's mortality, were:—from *scarlet fever*, 1·3 in Plymouth and 1·6 in Sheffield; and from *whooping-cough*, 1·3 in Salford and in Brighton, 1·6 in Derby, 2·7 in Bolton, and 3·4 in Bristol. In none of the twenty-eight towns did the death-rate from *measles* or from "*fever*" reach 1·0 per 1000. The 46 deaths from *diphtheria* in these towns included 24 in London, 7 in Manchester, 4 in Salford, 2 in Norwich, and 2 in Leeds. No death from small-pox was registered in any of the twenty-eight great towns.

## LONDON.

In LONDON 2699 BIRTHS and 1849 DEATHS were registered. Allowing for increase of population, the births were 283, and the deaths 211, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 32·4, 32·1, and 26·3 in the three preceding weeks, further declined last week to 21·8. During the first five weeks of the current quarter the death-rate averaged 28·1 per 1000, and was 4·7 above the mean rate in the corresponding periods of the ten years 1880–89; the mean death-rate during the same period in the twenty-seven provincial towns was 23·6 per 1000.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1849 deaths included 11 from measles, 14 from scarlet fever, 24 from diphtheria, 67 from whooping-cough, 9 from enteric fever, 9 from diarrhoea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 134 deaths were referred to these diseases, being 116 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 14; only 3 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and 1 in the Highgate Small-pox Hospital. The fatal cases of *measles*, which had declined in the four preceding weeks from 36 to 21, further fell last week to 11, and were 28 below the corrected average; 3 belonged to St. Luke sanitary area. The 14 deaths from *scarlet fever* exceeded the low number in the previous week by 4, but were 17 below the corrected average; 3 belonged to Newington and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1347 scarlet fever patients at the end of the week, against numbers declining on the five preceding Saturdays from 1609 to 1372; 99 cases were admitted to these hospitals during the week, against 77 and 91 in the two previous weeks. The deaths from *diphtheria*, which had been 22 in each of the two preceding weeks, rose last week to 24, and exceeded the corrected average by 3; 2 belonged to Kensington, 2 (cases admitted to hospital from Chesson Road) to Fulham, 2 to Hackney, 2 to Whitechapel, 3 to Poplar, 2 to Lambeth, and 2 to Camberwell sanitary areas. The 67 fatal cases of *whooping-cough* showed a further decline from recent weekly numbers, and were 44 below the corrected average; 6 belonged to Hackney, 4 to Poplar, 4 to Lambeth, 4 to Battersea, and 9 to Camberwell sanitary areas. The deaths attributed to *diarrhoea* and *dysentery*, which had been 6 and 14 in the two previous weeks, declined again last week to 9, and were 6 below the corrected average.

The deaths referred to *enteric fever*, which had been 14 and 10 in the two preceding weeks, further declined last week to 9, and were 7 below the corrected average; 2 belonged to Islington and 2 to Hackney sanitary areas. The Metropolitan Asylum Hospitals contained 77 cases of enteric fever and 3 of typhus on Saturday last; 5 cases of enteric fever were admitted during the week, against 8 and 5 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had been 4, 67, 127, and 105 in the four preceding weeks, further declined last week to 75; of these, 7 belonged to Paddington, 7 to Kensington, 4 to Pancras, 4 to Lambeth, and 8 to Camberwell sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 1069, 1010, and 736 in the three preceding weeks, further declined last week to 550, and were 80 below the corrected average.

Different forms of violence caused 62 deaths, concerning all but 3 of which inquests were held. Of these 62 deaths, 10 were cases of suicide, and 3 of murder or manslaughter, while the remaining 49 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 5 by burns or scalds, 2 (including one of a white-lead worker from lead-poisoning) by poison, 4 by drowning, and 15 (including 14 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3497 births and 2311 deaths were registered, corresponding to annual rates of 31·7 and 20·9 per 1000 of the estimated population. In the Outer Ring 24 deaths from whooping-cough, 9 from diphtheria, 4 from measles, and 4 from "fever" were registered. The fatal cases of whooping-cough included 7 in Croydon and 7 in West Ham sub-districts. Two deaths from measles occurred in Willesden, 2 from diphtheria in West Ham, and 2 from "fever," both in Tottenham and in Leyton sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·94 ins.; the lowest reading was 29·50 ins. at the beginning of the week and on Tuesday at noon, and the highest 30·27 ins. on Wednesday evening. The mean temperature of the *air* was 42°·9, and 2°·7 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Wednesday, but showed an excess on each of the other days of the week. The direction of the *wind* was variable. *Rain* fell on six days of the week, to the aggregate amount of 0·73 of an inch. The duration of registered bright sunshine in the week was 8·9 hours, against 5·5 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 1st February, 1890.

CITIES AND BOROUGH.	POPULATION to the middle of the year 1860.			Registered during the Week ending 1st Feb., 1860.			The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGH.		
	1.	2.	3.	Deaths of			Deaths from										Highest.		Lowest.		Mean.	Centigrade.		In Inches.	In Cent.
				Infants under 1 Year of Age.	Persons aged 1 Year and upwards.	Small-pox.	Miscellaneous.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.									
Cols.				4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.
28 TOWNS	9,715,559	6008	4246	833	1078	-	33	58	46	133	29	29	134	262	837	90	22.8	1.8	54.5	25.7	42.0	5.56	1.05	2.67	- 28 TOWNS.
LONDON	4,421,661	2699	1849	350	495	-	11	14	24	67	9	9	62	127	470	15	21.8	1.6	51.7	33.0	42.9	6.06	0.73	1.85	LONDON.
BRIGHTON	123,659	57	58	7	22	-	-	-	3	3	-	-	-	-	8	1	24.5	1.3	50.0	34.3	43.2	6.22	1.17	2.97	BRIGHTON.
PORTSMOUTH	142,362	112	55	7	23	-	-	-	1	2	1	-	4	5	11	-	20.1	1.5	-	-	-	-	-	-	PORTSMOUTH.
NORWICH	95,352	51	40	11	11	-	-	-	2	1	-	-	-	-	2	-	21.9	1.6	-	-	-	-	-	-	NORWICH.
PLYMOUTH	78,780	37	43	7	11	-	1	2	1	1	-	-	2	3	12	-	28.5	3.3	53.8	33.5	45.4	7.44	1.44	3.66	PLYMOUTH.
Bristol	232,248	128	119	20	32	-	-	2	1	15	-	2	3	4	14	5	26.7	4.5	50.5	30.5	41.5	5.28	1.13	2.87	Bristol.
WOLVERHAMPTON	53,406	63	37	8	6	-	-	-	1	1	-	-	-	-	3	-	23.1	1.3	52.4	25.7	39.3	4.06	1.09	2.77	WOLVERHAMPTON.
BIRMINGHAM	461,865	361	235	27	64	-	7	6	2	2	2	3	8	15	54	8	26.5	2.3	-	-	-	-	-	-	BIRMINGHAM.
LEICESTER	154,344	88	59	18	16	-	-	2	-	3	-	1	2	6	12	2	19.9	1.0	-	-	-	-	-	-	LEICESTER.
NOTTINGHAM	244,069	109	68	16	18	-	-	-	-	3	2	1	3	8	6	9	14.5	1.3	54.5	31.5	41.7	5.29	1.43	3.76	NOTTINGHAM.
DERBY	100,871	64	33	8	10	-	-	-	-	3	-	1	1	2	5	-	17.1	2.1	-	-	-	-	-	-	DERBY.
BIRKENHEAD	105,019	59	37	7	8	-	1	1	-	-	-	-	-	-	2	7	18.4	1.0	-	-	-	-	-	-	BIRKENHEAD.
LIVERPOOL	613,463	357	268	55	50	-	9	3	-	9	-	2	14	17	45	11	22.8	2.0	49.8	32.4	42.4	5.78	0.85	2.16	LIVERPOOL.
ROTON	115,816	79	46	15	3	-	-	2	-	6	-	1	1	1	2	-	20.7	4.1	-	-	-	-	-	-	ROTON.
MANCHESTER	379,437	234	213	43	49	-	1	4	7	3	5	4	2	16	52	8	29.3	3.3	-	-	-	-	-	-	MANCHESTER.
SALFORD	342,509	144	99	22	23	-	-	4	4	6	1	1	1	1	13	4	21.3	3.4	-	-	-	-	-	-	SALFORD.
OLDHAM	146,716	76	61	17	17	-	-	-	2	2	-	2	2	4	4	1	21.7	0.7	-	-	-	-	-	-	OLDHAM.
BLACKBURN	123,553	94	64	15	11	-	-	-	-	1	-	-	-	-	15	2	27.0	1.3	-	-	-	-	-	-	BLACKBURN.
PRESTON	165,163	79	49	12	13	-	-	-	-	-	-	-	-	3	9	-	24.3	0.0	-	-	-	-	-	-	PRESTON.
HUDDERSFIELD	54,253	34	43	9	6	-	-	-	1	-	1	-	2	3	4	4	23.8	1.1	-	-	-	-	-	-	HUDDERSFIELD.
HALEFAX	52,034	52	30	5	7	-	-	-	-	-	1	-	2	3	3	3	19.1	0.6	-	-	-	-	-	-	HALEFAX.
BRADFORD	240,515	142	105	20	36	-	1	-	-	-	-	-	2	5	9	4	22.8	0.2	53.5	32.7	41.8	5.44	1.33	3.38	BRADFORD.
LEEDS	362,799	227	172	41	47	-	-	3	2	4	2	1	4	11	17	2	24.7	1.7	-	-	-	-	-	-	LEEDS.
SHEFFIELD	312,537	213	167	27	35	-	-	10	1	1	3	-	4	7	19	7	26.2	2.3	-	-	-	-	-	-	SHEFFIELD.
HULL	113,823	135	97	23	22	-	-	1	2	-	-	-	2	4	14	3	23.7	1.5	55.0	29.0	40.8	4.89	0.86	2.18	HULL.
SUNDERLAND	156,506	83	75	17	20	-	1	2	-	-	-	1	4	7	3	3	28.6	1.5	-	-	-	-	-	-	SUNDERLAND.
NEWCASTLE	162,987	142	81	17	17	-	-	-	1	-	2	-	5	9	15	4	25.9	1.0	52.0	30.0	41.2	5.11	0.43	1.09	NEWCASTLE.
CARDIFF	117,012	89	43	9	6	-	-	-	-	1	-	-	3	4	9	-	19.2	0.4	-	-	-	-	-	-	CARDIFF.
EDINBURGH	271,135	147	131	23	37	-	9	-	3	6	2	1	3	?	19	33	25.2	4.0	51.5	39.1	41.3	5.17	0.42	1.07	EDINBURGH.
GLASGOW	130,208	378	249	48	40	-	8	3	2	7	4	4	8	?	39	26	24.5	2.8	-	-	-	-	-	-	GLASGOW.
DUBLIN	353,682	194	294	43	85	-	1	1	2	9	5	2	3	1	97	39	43.5	3.0	51.4	28.7	41.7	5.39	0.98	2.49	DUBLIN.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the FIFTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2684	2925	2775	2750	2587	2806	2800	2665	2683	2662	2931·5	2699
Males . .	1360	1467	1388	1375	1306	1414	1438	1339	1371	1327	1503·2	1355
Females .	1324	1458	1387	1375	1281	1392	1362	1326	1317	1335	1478·3	1344
<b>TOTAL Deaths</b>	3376	1926	2023	1643	1595	1592	1783	1485	1894	1572	2059·8	1849
Males . .	1605	986	988	822	826	812	877	734	958	796	1025·5	965
Females .	1771	940	1035	821	769	780	906	751	936	776	1034·3	884

\* The numbers in this column are the average weekly numbers in the fifth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.
<b>TOTAL Births</b>	2658	2522	2517	2321	2270	2535	2513	1815	2961	2818	2714	2510	2699
<b>TOTAL Deaths</b>	1350	1451	1375	1448	1683	1768	1816	1690	2371	2747	2720	2227	1849
<b>Ages at Death</b>													
{ 0-20 years	606	667	660	647	713	719	723	651	834	939	909	775	703
{ 20-40 "	181	188	176	184	196	227	216	220	346	367	450	349	282
{ 40-60 "	245	254	259	266	294	312	348	332	541	670	666	510	369
{ 60-80 "	265	265	222	292	392	418	424	396	552	640	576	503	390
{ 80 years & upwards	53	77	55	59	88	92	105	91	98	181	119	90	105
<b>"</b>													
{ Under 1 year	310	343	335	333	353	375	364	326	398	430	415	386	350
{ 1-5	209	235	233	227	265	247	261	232	310	375	344	294	250
{ 5-20	87	89	93	87	95	97	98	93	126	134	150	95	103
<b>Deaths from Small-pox</b>	1	-	-	-	-	-	-	-	-	-	-	-	-
" " Measles	20	33	33	18	41	30	35	29	36	24	24	21	11
" " Scarlet fever	23	24	17	19	24	12	22	14	15	13	22	10	14
" " Diphtheria	23	38	30	33	47	35	27	26	32	26	22	22	24
" " Whooping-cough	24	37	31	44	47	49	60	67	98	112	104	82	67
" " Typhus	-	1	-	-	-	-	1	2	-	-	-	1	-
" " Enteric fever	11	20	22	15	8	15	12	13	12	11	14	10	9
" " Simple Cont'd fever	-	-	2	1	2	-	-	-	-	1	1	-	-
" " Diarrhoea and Dysentery	17	16	17	12	12	14	13	19	10	12	6	14	9
" " Cholera	1	-	-	-	-	-	-	-	-	-	-	-	-
" " all the above-mentioned Diseases	120	169	152	142	181	155	170	170	203	199	193	160	134
" " Dis. of Respiratory System	318	321	328	345	432	552	518	467	843	1069	1010	736	550
" " Phthisis	141	154	169	183	161	182	161	180	247	267	312	239	220
" " Dis. of Circulatory System	122	121	113	126	165	163	189	158	222	275	209	193	116
<b>Violent Deaths</b>	51	65	57	53	56	55	69	47	91	55	65	60	62
<b>Inquest Cases</b>	97	122	114	113	128	124	156	121	195	192	171	142	127
<b>Deaths in Public Institutions</b>	313	363	314	336	358	422	419	400	494	534	626	491	470
<b>TEMPERATURE OF THE AIR</b>													
Mean	47·3	46·8	44·9	37·6	32·1	38·1	43·5	39·8	32·8	47·6	45·5	42·7	42·9
Mean of Highest readings	53·3	52·7	48·2	43·4	35·8	42·5	47·3	44·0	36·7	52·4	50·6	48·4	48·3
Mean of Lowest readings	40·8	41·0	41·3	32·0	27·8	31·9	38·1	35·2	28·5	43·0	39·4	36·9	38·2
<b>Humidity of the Air</b>	90	93	94	84	85	92	94	90	97	89	86	84	90
<b>Rain-fall in inches</b>	0·26	0·01	0·13	0·32	0·23	0·23	0·33	0·61	0·11	0·40	0·13	0·77	0·73
<b>Registered Sunshine (in hours)</b>	3·9	11·9	0·0	5·9	8·4	4·4	2·1	3·2	5·0	10·1	7·3	14·9	8·9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FIFTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 5th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 1st February 1890.										CAUSES OF DEATH.	Corrected Averages for the 5th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 1st February 1890.											
		Deaths of Persons of the Ages												Deaths of Persons of the Ages											
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
			0-1.	1-5.	5-20.										0-1.	1-5.	5-20.								
ALL CAUSES -	2059.8	1840	350	250	103	232	339	390	105			Diseases of Organs of Special Sense † -	2.1	2	-	1	-	1	-	-	-	-	-		
Small-pox { Vaccinated; Unvaccinated; No Statement }	13.8	-	-	-	-	-	-	-	-			Diseases of Circulatory System -	143.6	116	2	-	7	18	33	43	8				
Measles -	33.4	11	1	9	1	-	-	-	-			Croup -	13.3	12	1	8	3	-	-	-	-	-			
Scarlet Fever -	31.3	14	1	10	3	-	-	-	-			Bronchitis -	423.6	339	55	43	5	17	77	116	21	4			
Typhus -	1.0	-	-	-	-	-	-	-	-			Pneumonia -	123.0	145	22	36	9	26	30	18	-	-			
Relapsing Fever † -	0.1	-	-	-	-	-	-	-	-			Pleurisy -	6.2	4	2	-	-	2	-	-	-	-			
Influenza -	0.3	75	3	4	4	18	30	15	1			Other Diseases of Respiratory System -	55.1	50	12	5	1	8	9	13	2				
Whooping-cough -	111.0	67	23	43	1	-	-	-	-			Dentition † -	14.6	20	8	12	-	-	-	-	-	-			
Diphtheria -	21.3	24	1	16	7	-	-	-	-			Quinsy, Sore Throat † -	2.8	1	-	1	-	-	-	-	-	-			
Simple Continued and Ill-defined Fever -	1.9	-	-	-	-	-	-	-	-			Euteritis -	6.7	8	2	1	2	2	1	-	-	-			
Enteric Fever -	15.5	9	-	1	4	3	1	-	-			Peritonitis -	8.3	9	2	2	1	2	1	1	-	-			
Cholera -	0.1	-	-	-	-	-	-	-	-			Diseases of Liver -	23.1	22	1	-	1	3	9	7	1				
Diarrhoea, Dysentery -	14.3	9	4	1	1	-	-	3	-			Other Diseases of Digestive System -	30.4	24	5	1	1	4	7	6	-	-			
Remittent Fever † -	0.4	-	-	-	-	-	-	-	-			Diseases of Lymphatic System & of Ductless Glands † -	2.0	4	1	-	-	2	1	-	-	-			
Hydrophobia -	0.0	-	-	-	-	-	-	-	-			Diseases of Urinary System -	42.0	40	1	1	4	5	12	13	4				
Glanders -	0.0	-	-	-	-	-	-	-	-			Diseases of Generative System -	5.9	7	-	-	-	4	1	2	-	-			
Cowpox and Effects of Vaccination † -	0.0	-	-	-	-	-	-	-	-			Accidents of Childbirth -	4.8	4	-	-	-	3	1	-	-	-			
Veneral Affections -	11.0	7	6	-	-	-	-	1	-			Diseases of Locomotive System † -	7.8	5	1	-	4	-	-	-	-	-			
Erysipelas -	5.3	5	1	-	-	-	1	2	1			Diseases of Integumentary System -	5.7	8	2	1	1	-	2	2	-	-			
Pyæmia and Septicæmia †	3.8	2	1	-	-	-	-	1	-			VIOLENT DEATHS.‡													
Puerperal Fever -	8.0	2	-	-	-	2	-	-	-			(ACCIDENT.)													
Other Zymotic Diseases †	1.7	1	-	-	-	-	1	-	-			Fracture and Contusion -	22.5	19	1	1	3	4	3	3	4				
Thrush -	2.1	1	1	-	-	-	-	-	-			Gunshot Wound -	0.1	-	-	-	-	-	-	-	-	-			
Worms and other Parasitical Diseases -	0.8	-	-	-	-	-	-	-	-			Cut, Stab -	0.2	-	-	-	-	-	-	-	-	-			
Starvation, Want of Breast-milk † -	1.6	1	1	-	-	-	-	-	-			Burn and Scald -	9.4	5	-	2	-	-	2	1	-	-			
Alcoholism -	3.8	13	-	-	-	3	10	-	-			Poison -	1.1	2	-	1	-	1	-	-	-	-			
Rheumatic Fever, Rheumatism of Heart †	11.3	2	-	-	-	-	1	1	-			Drowning -	5.1	4	-	-	4	-	-	-	-	-			
Rheumatism † -	3.5	4	-	-	2	-	1	1	-			Suffocation -	15.2	15	14	-	1	-	-	-	-	-			
Gout -	5.6	1	-	-	-	-	-	1	-			Otherwise -	2.7	4	-	-	1	2	1	-	-	-			
Rickets † -	2.0	2	2	-	-	-	-	-	-			(HOMICIDE.)													
Cancer -	53.8	66	-	1	-	6	28	29	2			Murder & Manslaughter -	2.4	3	3	-	-	-	-	-	-	-			
Tabs Mesenterica -	23.0	19	15	3	1	-	-	-	-			(SUICIDE.)													
Tubercular Meningitis -	28.1	22	4	11	7	-	-	-	-			Gunshot Wound -	1.1	-	-	-	-	-	-	-	-	-			
Phthisis -	191.2	220	1	5	15	122	59	17	1			Cut, Stab -	1.7	2	-	-	-	1	1	-	-	-			
Scrophula, Tuberculosis -	16.8	20	4	5	7	2	1	1	-			Poison -	1.1	-	-	-	-	-	-	-	-	-			
Other Constitutional Diseases † -	9.4	15	1	-	2	4	3	4	1			Drowning -	1.0	2	-	-	-	-	-	1	1	-			
Premature Birth -	49.5	43	43	-	-	-	-	-	-			Hanging -	1.3	-	-	-	-	1	3	-	-	-			
Atelectasis † -	2.4	1	1	-	-	-	-	-	-			Otherwise -	0.8	2	-	-	-	1	1	-	-	-			
Congenital Malformations -	8.6	5	5	-	-	-	-	-	-			(EXECUTION.)													
Old Age -	75.0	69	-	-	-	-	-	32	37			Hanging -	0.0	-	-	-	-	-	-	-	-	-			
Apoplexy -	43.3	43	1	1	1	-	15	21	9			OTHER CAUSES † -	67.1	43	40	6	-	-	-	1	1				
Epilepsy -	7.6	5	-	1	1	2	1	-	-																
Convulsions -	57.7	50	46	3	1	-	-	-	-																
Other Diseases of Brain and Nervous System -	103.5	86	9	9	2	10	19	29	3																

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE E. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of		Deaths from												Deaths in Public Institutions.	Uncertified Causes of Death.
				Infants under 1 Year of Age.	Persons aged 10 Years & upwards	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.			
LONDON	3,815,704	2699	1849	350	495	-	11	14	24	67	-	9	-	9	62	127	470	1	
West Districts	669,633	380	353	45	108	-	2	2	5	13	-	-	-	3	13	25	123	2	
North Districts	905,947	576	414	74	126	-	3	4	4	12	-	5	-	1	18	31	99	-	
Central Districts	282,238	177	130	17	27	-	3	-	2	1	-	3	-	-	5	8	27	1	
East Districts	692,738	541	325	69	74	-	3	-	7	14	-	1	-	2	10	80	96	3	
South Districts	1,365,148	1025	625	145	160	-	-	6	6	27	-	-	-	3	16	30	124	9	
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-	2	-	
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.	69888	50	35	4	12	-	-	-	1	3	-	-	-	-	-	2	8	-	
St. John Paddington H - - G.J.	37330	7	19	-	5	-	-	-	-	-	-	-	-	-	3	3	11	-	
Kensington Town W - - W.M.	120141	44	87	14	29	-	-	-	1	1	-	-	1	1	1	1	48	-	
Brompton H - - W.M. & C.	43010	13	16	2	4	-	-	-	-	-	-	-	-	-	1	1	2	-	
St. Peter Hammersmith - - W.M.	7599	6	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H W.M. & G.J.	64340	53	30	4	12	-	-	-	-	-	-	-	-	-	2	3	3	-	
Fulham W - - W.M. & C.	42900	63	29	5	8	-	1	2	-	3	-	-	-	-	1	5	3	-	
Chelsea South HHH - - C.	30396	15	13	-	3	-	-	-	-	-	-	-	-	-	2	4	1	1	
Chelsea North-west WHHHHH C.	24925	20	20	1	7	-	-	-	-	-	-	-	-	-	1	1	14	-	
Chelsea North-east - - C.	32807	30	11	1	1	-	-	-	-	2	-	-	-	-	-	-	-	-	
May Fair WW - - G.J.	30353	9	19	3	11	-	-	-	-	1	-	-	-	1	-	-	11	-	
Belgrave WHHH - - C.	59220	26	28	3	5	-	1	-	3	-	-	-	-	-	2	3	13	1	
St. John Westminster HHH - C.	35496	22	12	4	2	-	-	-	2	-	-	-	-	-	-	-	-	-	
St. Margaret Westminster H - C.	24679	7	13	2	3	-	-	-	-	-	-	-	-	-	1	1	6	-	
St. James Westminster WHH N.R. & G.J.	29941	7	11	1	3	-	-	-	1	-	-	-	-	1	-	1	2	-	
St. Anne Soho HHHHHHH - N.R.	16608	8	9	1	2	-	-	-	-	-	-	-	-	1	-	1	1	-	
NORTH DISTRICTS.																			
All Souls Marylebone HHHH W.M.	26769	10	6	2	2	-	-	-	-	1	-	-	-	-	1	1	3	-	
Cavendish Square HHHH - W.M.	14581	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone WHH G.J. & W.M.	24809	3	13	2	4	-	-	-	-	-	-	-	-	-	-	-	5	-	
St. Mary Marylebone HHH G.J. & W.M.	21118	27	11	2	3	-	-	-	-	2	-	-	-	-	-	-	1	2	
Christchurch Marylebone HHH - W.M.	33700	18	7	3	3	-	-	-	-	-	-	-	-	-	1	1	-	-	
St. John Marylebone H - - W.M.	33633	16	17	4	6	-	-	-	-	-	-	1	-	-	-	-	-	-	
Hampstead WWHHHH N.R. & W.M.	45452	35	18	6	5	-	-	1	-	-	-	-	-	-	1	2	4	-	
Regent's Park Panacea H - - W.M.	89115	12	13	1	3	-	-	-	-	-	-	-	-	-	-	8	2	-	
Tottenham-court WHHHH N.R. & W.M.	27729	11	16	1	4	-	-	-	1	-	-	-	-	-	2	2	11	2	
Gray's Inn Lane HHH - - N.R.	30247	24	7	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Somerset Town H - - N.R.	84369	25	17	4	3	-	1	-	-	-	-	-	-	-	1	1	1	-	
Camden Town WH - - N.R.	17811	14	25	3	9	-	-	-	-	-	-	-	-	-	2	2	18	-	
Kentish Town W - - N.R.	87487	51	42	6	14	-	-	-	-	-	-	1	-	-	3	6	-	-	
Upper Holloway WWHH - - N.R.	67946	56	56	9	19	-	-	-	-	1	-	-	-	-	2	4	23	-	
Islington South-west HH - - N.R.	100976	53	37	7	13	-	1	-	-	-	-	1	-	-	4	7	-	-	
Islington South-east - - N.R.	61825	36	22	6	6	-	-	-	-	-	-	1	-	-	-	1	1	-	
Highbury H - - N.R.	52043	26	12	2	2	-	-	-	1	-	-	-	-	-	1	1	-	-	
Stoke Newington H - - N.R.	22781	11	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill - - E.L.	9277	5	10	-	6	-	-	-	-	-	-	-	-	-	1	1	-	-	
West Hackney H - - N.R.	37610	29	12	3	5	-	-	-	1	-	-	-	-	-	1	1	-	-	
Hackney WWHH - - E.L. & N.R.	73911	61	30	5	16	-	1	3	3	3	-	2	-	-	2	3	20	-	
South Hackney - - E.L.	39983	42	14	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - N.R.	16681	8	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH - - N.R.	14884	11	6	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	
St. Giles North - - N.R.	13837	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Martin-in-the-Fields HH N.R. & C.	17508	8	6	1	2	-	-	-	-	-	-	-	-	-	-	-	4	-	
St. Mary-le-Strand H - - N.R.	7515	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H - - N.R.	8559	3	11	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	
Strand Union Workhouse, Edmonton w.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	1	5	-	
St. Geo. the Martyr HHHHHH N.R.	18571	14	16	3	5	-	-	-	-	-	-	1	-	-	1	1	5	-	
St. Andrew Eastern W - - N.R.	10706	7	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Raffron Hill H - - N.R.	6533	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
St. James Clerkenwell - - N.R.	17516	18	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell - - N.R.	19281	11	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville - - N.R.	14773	12	5	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	
Goswell-street - - N.R.	17505	18	11	2	4	-	-	-	-	-	-	1	-	-	-	1	-	-	
Old-street H - - N.R.	11541	9	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
City-road HHH - - N.R.	18623	23	17	3	-	-	2	-	1	-	-	1	-	-	-	1	3	1	
Whitecross-street - - N.R.	9217	6	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Finsbury - - N.R.	7463	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
Holborn Union Workhouse, Mitcham, w.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph H - - N.R. & E.L.	11174	8	4	1	3	-	-	-	-	-	-	-	-	-	-	-	1	-	
Cripplegate - - N.R.	7193	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre H - - N.R.	5353	1	8	1	-	-	-	-	-	-	-	-	-	-	1	1	7	-	
St. Bride W - - N.R.	8395	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking - - N.R.	13666	1	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street H - - N.R.	5652	1	3	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: *W*—Workhouse; *H*—Hospital; *L*—Lunatic Asylum; *w*—A Workhouse Establishment receiving inmates from other Districts than that in which it stands, Grand Junction Company; *W.M.* West Middlesex; *C.* Chelsea; *S.* Southwark and Vauxhall; *L.* Lambeth; *N.R.* New River; *E.L.* East London; and *K.* the Kent Company.

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by w:—

Stepney Workhouse in Bromley sub-district.  
 Pontiac & Stepney Sick Asylum.  
 Westminster Union Industrial School in West Battersea sub-district.  
 St. Saviour's Infirmary in Camberwell sub-district.  
 Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.  
 Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 1st February, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes.
LONDON—OUTER RING		370,924	950,957	798	462	90	118	-	4	-	9	24	4	3	28	41	74	-
30:1	Carshalton <i>wL</i> -	12228	21118	24	14	-	3	-	-	-	-	-	-	-	-	-	-	10
2	Epsom (part of)* <i>WwH</i>	9971	10710	3	10	-	7	-	-	-	-	-	-	-	-	-	-	7
37:1	Godstone (part of)* -	2754	1235	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-
38:1	Croydon <i>WwHHL</i> -	20651	101241	57	56	8	18	-	1	-	1	7	-	-	-	1	9	-
2	Mitcham <i>w†</i> -	11697	17932	8	5	2	1	-	-	-	-	-	-	1	-	-	-	-
39:1	Wimbledon <i>HHH</i> -	3220	15950	12	8	3	2	-	-	-	-	-	-	-	-	-	-	-
2	Kingston <i>WHH</i> -	8549	58354	18	9	4	2	-	-	-	-	-	-	-	-	-	-	-
3	Esher (part of)* -	6601	9221	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
4	Hampton <i>H</i> -	4373	13539	13	7	-	2	-	-	-	-	-	-	1	-	-	-	-
40:1	Richmond <i>WH</i> -	2272	21302	10	6	-	4	-	-	-	1	-	-	-	-	-	1	-
2	Mortlake -	2941	12331	12	2	1	1	-	-	-	-	-	-	-	-	-	-	-
41:1	Bromley (pt. of)* <i>HH</i>	15669	31142	22	11	-	5	-	1	-	-	-	-	-	-	-	1	-
2	Chislehurst (pt. of)* <i>WHH</i>	14307	15844	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
42:1	Bexley <i>H</i> -	13487	24134	19	9	4	2	-	-	-	-	1	-	-	-	1	-	-
2	Dartford (Ww, pts. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury <i>w</i> -	11055	11685	12	6	1	1	-	-	-	-	-	-	-	1	1	-	-
2	Staines <i>W</i> -	13277	12089	7	7	1	3	-	-	-	-	-	-	1	-	-	-	-
125:1	Hillingdon <i>WHH</i> -	6029	10802	5	7	1	2	-	-	-	-	-	-	-	-	1	1	-
2	Uxbridge -	6178	3225	2	3	-	2	-	-	-	1	-	-	-	-	-	-	-
3	Hayes <i>wHL</i> -	14587	11523	6	5	2	-	-	-	-	-	-	-	-	-	-	-	-
126:1	Isleworth <i>WHH</i> -	7008	22727	12	5	1	1	-	-	-	-	-	-	-	-	-	-	-
2	Twickenham <i>H</i> -	2477	12479	9	8	2	1	-	-	-	-	-	-	-	1	2	1	-
3	Brentford <i>HL</i> -	4345	27649	25	10	5	2	-	-	-	-	-	-	-	-	1	-	2
4	Chislewick -	1340	15975	10	12	2	3	-	-	-	-	-	-	-	-	2	-	-
5	Acton <i>wH</i> -	6083	22376	18	2	-	1	-	-	-	-	-	-	-	-	-	-	-
127:1	Harrow <i>H</i> -	13809	12796	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Edgware <i>H</i> -	6994	3749	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	49	18	5	3	-	2	-	-	-	-	-	-	-	-	-
4	Hendon <i>W</i> -	8382	10484	13	4	-	1	-	-	-	-	-	-	-	-	-	3	-
137:1	Bushey -	9331	6621	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-
2	Watford (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138:1	South Mimms -	15599	6391	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Barnet -	5433	10092	8	5	1	3	-	-	-	-	1	-	-	1	1	3	-
3	Finchley <i>HL</i> -	4688	17615	23	12	3	3	-	-	-	-	1	-	-	-	1	5	-
139:1	Hatfield (part of)*	3306	583	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:1	Hornsey <i>H</i> -	3039	37078	21	14	4	-	-	-	-	-	1	-	-	-	2	-	-
2	Tottenham <i>H</i> -	4642	46456	67	39	8	11	-	-	-	1	2	2	-	-	-	-	-
3	Edmonton <i>Ww†</i> -	7453	23463	19	9	-	5	-	-	-	-	-	-	-	-	1	2	-
4	Enfield <i>WH</i> -	12653	19104	15	13	5	-	-	-	-	-	-	-	-	-	-	4	-
5	Waltham Abbey -	11017	5363	2	1	-	1	-	-	-	-	-	-	-	1	2	-	-
6	Cheshunt -	8490	7735	5	1	-	1	-	-	-	-	-	-	-	-	1	-	-
136:1	Stratford -	882	35006	28	13	6	1	-	-	-	1	2	-	-	-	-	-	2
2	West Ham <i>wewwB§</i>	4055	90347	112	60	12	4	-	-	-	2	7	-	-	24	24	24	3
3	East Ham -	3296	10706	13	10	1	1	-	-	-	-	-	-	-	-	-	-	1
4	Leyton <i>WwL</i> -	4372	32430	31	23	4	10	-	-	-	-	-	-	-	-	-	3	-
5	Walthamstow <i>H</i> -	6520	28869	34	8	-	3	-	-	-	-	2	2	-	-	-	-	-
137:1	Chigwell (part of)* <i>H</i>	11761	9069	3	4	-	2	-	-	-	-	-	-	-	-	-	-	-
2	Epping (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:1	Romford (part of)* <i>W</i>	6730	3411	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
2	Ilford -	8493	7645	1	3	1	1	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town -	4127	9203	13	2	1	1	-	-	-	-	-	-	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warringham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cudham and Knockholt (pop. 1813); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Norton in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:1, Epping, sub-districts.  
 † Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).  
 ¶ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 1st February, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include													
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.	
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlat Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.				
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.			
ATER LONDON	448,334	5,758,500	20.9	1.6	2311	440	613	-	15	14	33	91	13	12	90	544			
INNER LONDON -	77,410	4,421,661	21.8	1.6	1849	350	495	-	11	14	24	67	9	9	62	470			
UTER RING -	370,924	1,336,839	18.0	1.7	462	90	118	-	4	-	9	24	4	3	28	74			

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,160,014 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.									
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.			
CUTTACK	433,219	December 14	-	316	38.0	-	1	-	1	1	78	88			
BOMBAY	778,196	January 7	324	392	35.8	-	-	-	-	1	87	70			
BRASS	398,777	December 20	-	-	22.4	1	1	-	-	-	130	48			
BARCELONA	2,260,945	January 25	1120	1147	26.4	5	16	5	31*	10	17	50			
BRUSSELS (3 Faubourgs.)	471,606	" 25	276	215	23.7	-	1	-	-	2	2	10			
AMSTERDAM	403,083	" 18	296	477	62.1	-	2	-	7	-	2	-			
AMSTERDAM	203,486	" 25	270	302	38.6	-	3	-	1	4	1	-			
HAGUE	153,440	" 18	161	183	47.9	-	-	-	-	2	2	-			
AMSTERDAM	203,486	" 25	155	145	37.0	-	1	-	-	3	1	-			
HAGUE	153,440	" 18	142	122	41.2	-	-	-	-	1	1	-			
AMSTERDAM	203,486	" 25	107	91	30.8	-	-	-	-	1	1	-			
AMSTERDAM	203,486	" 25	199	127	21.6	-	-	2	9	5	2	-			
AMSTERDAM	203,486	" 18	113	90	20.5	-	-	5	3*	-	-	8			
AMSTERDAM	203,486	" 25	71	90	33.8	-	5	-	4	2	-	5			
PETERSBURG	924,106	" 11	-	509	28.7	-	10	18	10	4	9	38			
AMSTERDAM	1,526,887	" 11	934	763	26.1	-	9	5	31	17	6	31			
AMSTERDAM (State)	575,276	" 18	404	312	28.3	-	-	2	7*	5	6	17			
AMSTERDAM	269,250	" 18	170	178	31.4	-	3	-	13*	-	-	4			
AMSTERDAM	324,143	" 25	211	190	31.1	-	-	-	11*	1	1	14			
AMSTERDAM	298,000	" 18	230	251	44.8	-	7	-	14*	-	-	10			
AMSTERDAM	822,176	" 18	480	413	26.1	-	4	1	7	-	1	12			
AMSTERDAM	304,356	" 18	-	293	51.1	1	8	-	5	2	2	5			
AMSTERDAM	463,017	" 18	229	428	48.1	-	1	1	8	-	8	22			
AMSTERDAM	160,092	" 25	73	147	47.8	1	-	-	4*	-	-	1			
AMSTERDAM	409,692	November 16	-	-	-	-	-	-	-	-	-	-			
AMSTERDAM (11 days)	306,393	December 31	-	-	-	-	-	-	-	-	-	-			
AMSTERDAM	156,515	January 18	74	149	49.7	21	-	-	-	1	4	11			
AMSTERDAM	374,333	" 9	434	371	51.6	-	-	-	1	7	12	111			
AMSTERDAM	231,396	" 9	241	184	41.5	8	-	-	4*	-	6	41			
AMSTERDAM	1,595,547	" 11	-	1424	46.5	-	6	9	28	7	7	21			
AMSTERDAM	852,467	" 11	-	624	38.2	-	-	1	31	3	5	1			
AMSTERDAM	1,040,245	" 11	-	718	36.0	-	3	4	18	5	25	3			
AMSTERDAM	500,343	" 11	-	211	22.0	-	4	-	7	2	2	1			
AMSTERDAM	254,000	December 14	-	109	22.4	-	-	-	-	-	4	4			

\* Including deaths from croup.

† Including 38 and 26 deaths respectively from cholera in Calcutta, and 10 in Bombay.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, FEBRUARY 1ST, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										Difference between the Air Temperature and Dew Point Temperature.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a cistern whose receiving surface is above the ground.	
MONTH AND DAY.	Phases of the Moon.	Of the Air.					Of the Dew Point.					Of Radiation.		Of the Water of the Thames at Deptford.		General Direction.		Pressure on the Square Foot.		Robinson's.		Ozone.			
		High-est.	Low-est.	Daily Range.	Mean daily value.	De- parture from Average of 30 years.	High-est.	Mean daily value.	Low-est.	De- parture from Average of 100.	High-est in Sun's Rays.	Least on the Grass.	High-est.	Low-est.	A.M.	P.M.	Great-est.	Mean of 14 hourly obs.	Horizontal Movement of the Air on each Day.	Departure from Average of 10 years.					
JANUARY.																									
SUN. . 26	..	50.6	39.2	11.4	43.6	+ 3.7	41.2	0	0	0	91	76.0	32.1	43.8	42.9	SW. & WSW.	WSW. & SW.	14.5	0.0	3.8	+ 5.02	3.0			
MON. . 27	First Qr.	51.7	40.0	11.7	43.7	+ 3.7	35.6	8.1	12.2	5.5	73	73.0	33.4	41.6	43.2	WSW. & WNW.	WNW. & SW.	12.0	0.0	1.6	+ 1.84	1.5			
TUES. . 28	..	50.7	36.0	14.7	42.5	+ 2.4	42.3	0.2	5.5	0.0	99	60.9	34.8	44.5	43.2	ESE. & SSW.	N. & NNE.	3.7	0.0	0.4	- 33	3.5			
WED. . 29	..	30.153	42.0	8.6	37.5	- 2.7	31.8	5.7	11.2	0.0	80	74.3	28.7	44.4	42.9	N.	NNW. & WSW.	4.2	0.0	0.9	- 14	0.0			
THURS. . 30	..	30.177	40.5	13.5	41.1	+ 0.8	37.7	3.4	8.0	0.0	83	54.6	26.9	43.6	42.4	SW. & WSW.	WNW. & W.	1.5	0.0	0.1	- .99	0.0			
FRI. . 31	..	30.181	48.0	5.6	46.8	+ 6.4	46.2	0.6	2.0	0.0	98	51.9	41.2	43.3	41.9	NW. & NNW.	N. & Calm.	0.2	0.0	0.0	..	0.0			
SAT. . 1	..	30.070	47.7	5.4	45.0	+ 4.5	44.6	0.4	2.9	0.0	99	54.5	40.2	42.6	41.4	Calm & SSW.	SSW.	1.3	0.0	0.0	..	0.0			
MEANS . .	..	20.930	43.3	10.1	42.9	+ 2.7	39.9	3.0	7.4	0.8	90	63.6	33.9	43.8	42.6	SW. & NW.		..	..	..	Sum 0.73	1.3			
No. of Col. .	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DATE.		ELECTRICITY.		REGISTERED SUN ABOVE HORIZON.		REGISTERED SUN SHINE.		GENERAL REMARKS.		GENERAL REMARKS.		GENERAL REMARKS.		GENERAL REMARKS.		GENERAL REMARKS.		GENERAL REMARKS.		GENERAL REMARKS.		GENERAL REMARKS.		GENERAL REMARKS.	
SUNDAY . 26	..	W. P. and S. N. in morning; W. P. till evening; W. P. afterwards.	2.2	8.8	2.2	8.8	2.2	8.8	2.2	8.8	2.2	8.8	2.2	8.8	2.2	8.8	2.2	8.8	2.2	8.8	2.2	8.8	2.2	8.8	2.2
MONDAY . 27	..	W. P. in morning; W. N. between 7 A.M. and 8 A.M.; v. P. in afternoon; W. P. afterwards.	1.4	8.8	1.4	8.8	1.4	8.8	1.4	8.8	1.4	8.8	1.4	8.8	1.4	8.8	1.4	8.8	1.4	8.8	1.4	8.8	1.4	8.8	1.4
TUESDAY . 28	..	W. P. in morning; W. N. and W. P. in afternoon; W. P. afterwards.	0.0	8.9	0.0	8.9	0.0	8.9	0.0	8.9	0.0	8.9	0.0	8.9	0.0	8.9	0.0	8.9	0.0	8.9	0.0	8.9	0.0	8.9	0.0
WEDNESDAY . 29	..	W. P. in morning; W. P. afterwards.	5.3	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3	8.9	5.3
THURSDAY . 30	..	W. P. generally, with W. N. between 4 A.M. and 7 A.M.	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0
FRIDAY . 31	..	Insulation defective in morning; v. N. and v. P. afterwards.	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0	9.0	0.0
SATURDAY . 1	..	W. P. in morning; W. P. afterwards.	0.0	9.1	0.0	9.1	0.0	9.1	0.0	9.1	0.0	9.1	0.0	9.1	0.0	9.1	0.0	9.1	0.0	9.1	0.0	9.1	0.0	9.1	0.0
No. of Col. .	28		29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51

The height of the cistern of the barometer is 152 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1876.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—1. positive; N. negative; W. weak; M. moderate; S. strong; and V. variable.

The numbers in column 29 derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

At the beginning of the week to 29.74 in. by noon; on the 26th; decreased to 29.57 in. by 8h. P.M. on the same day; increased to 29.40 in. by 9h. P.M. on the 27th; decreased to 29.50 in. by noon on the 28th; increased to 29.27 in. by 9h. P.M. on the 29th; decreased to 29.15 in. by 9h. P.M. on the 30th; increased to 29.19 in. by noon on the 31st of January; and decreased to 29.60 in. by the 1st of February.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationary Office,*

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*General Register Office, Somerset House,  
10th February, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 23·0 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.		Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.
Birkenhead	17·9	17·9	18·4	19·4	Liverpool -	25·2	22·9	22·8	27·2
Birmingham	27·4	22·9	26·5	26·1	London -	32·1	26·3	21·8	20·6
Blackburn -	24·9	21·5	27·0	23·2	Manchester -	28·4	26·9	29·3	30·4
Bolton -	24·8	23·9	20·7	20·7	Newcastle-on-Tyne	27·2	22·1	25·9	29·1
Bradford	20·2	19·5	22·8	23·2	Norwich -	20·2	15·9	21·9	30·6
Brighton -	15·6	20·2	24·5	22·8	Nottingham -	14·9	16·8	14·5	19·4
Bristol -	25·8	27·2	26·7	34·8	Oldham -	14·9	23·5	21·7	24·9
Cardiff -	18·3	21·4	19·2	22·7	Plymouth -	21·2	20·5	28·5	25·8
Derby -	17·6	15·0	17·1	18·6	Portsmouth -	22·6	25·5	20·1	29·9
Halifax -	21·0	24·8	19·1	22·2	Preston -	25·8	27·8	24·3	26·8
Huddersfield	18·8	17·7	23·8	19·9	Salford -	20·9	18·9	21·3	23·0
Hull -	21·5	27·1	23·7	20·5	Sheffield -	23·5	21·0	26·2	23·2
Leeds -	26·1	27·1	24·7	25·5	Sunderland -	20·3	18·3	28·6	25·6
Leicester -	17·2	20·3	19·9	16·6	Wolverhampton -	21·9	25·6	23·1	25·6

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·1 in London, in Leeds, and in Oldham, 1·2 in Liverpool, 1·3 in Plymouth, 1·7 in Brighton, 2·3 in Bolton, and 4·5 in Bristol; from *measles*, 1·1 in Liverpool; and from "*fever*," 1·5 in Sunderland. In none of the twenty-eight towns did the death-rate from *scarlet fever* reach 1·0 per 1000. The 42 deaths from *diphtheria* in these towns included 24 in London, 5 in Salford, 4 in Manchester, 2 in Liverpool, 2 in Bolton, and 2 in Portsmouth. No death from small-pox was registered in any of the twenty-eight great towns.

## LONDON.

In LONDON 2707 BIRTHS and 1749 DEATHS were registered. Allowing for increase of population, the births were 334, and the deaths were 226, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 32·4, 32·1, 26·3, and 21·8 in the four preceding weeks, further declined last week to 20·6. During the first six weeks of the current quarter the death-rate averaged 26·9 per 1000, and was 3·5 above the mean rate in the corresponding periods of the ten years 1880-89; the mean death-rate during the same period in the twenty-seven provincial towns was 23·9 per 1000.

The 1749 deaths included 8 from measles, 19 from scarlet fever, 24 from diphtheria, 91 from whooping-cough, 2 from enteric fever, 4 from diarrhoea and

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 148 deaths were referred to these diseases, being 86 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 13; only 3 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of a child, aged  $2\frac{1}{2}$  years, in St. Giles, was referred to "pneumonia following "varicella." The fatal cases of *measles*, which had been 24, 21, and 11 in the three preceding weeks, further declined last week to 8, and were 23 below the corrected average; 2 belonged to St. Luke sanitary area. The 19 deaths from *scarlet fever* showed a further increase upon the low numbers returned in the two previous weeks, but were 9 below the corrected average; 2 belonged to Chelsea, 3 to Islington, and 2 to Mile End Old Town sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1297 scarlet fever patients at the end of the week, against numbers declining on the six preceding Saturdays from 1609 to 1342; 75 cases were admitted to these hospitals during the week, against 77, 91, and 99 in the three previous weeks. The deaths from *diphtheria*, which had been 22 and 24 in the two preceding weeks, were again 24 last week, and exceeded the corrected average by 3; 3 belonged to Hammersmith, 2 to Fulham, 2 to Pancras, 2 to Bethnal Green, 2 to Mile End Old Town, 2 to Wandsworth, and 2 to Greenwich sanitary areas. The 91 fatal cases of *whooping-cough* showed an increase of 24 upon the number in the previous week, but were 19 below the corrected average; 4 belonged to Hammersmith, 4 to Pancras, 5 to Islington, 10 to Shoreditch, 4 to Bethnal Green, 4 to St. George-in-the-East, 7 to Mile End Old Town, 5 to Battersea, and 8 to Camberwell sanitary areas. The deaths attributed to *diarrhœa* and *dysentery*, which had been 14 and 9 in the two preceding weeks, further declined last week to 4, and were 11 below the corrected average.

The deaths referred to *enteric fever*, which had been 14, 10, and 9 in the three preceding weeks, further declined last week to 2, and were 12 below the corrected average. The Metropolitan Asylum Hospitals contained 71 cases of enteric fever and 2 of typhus on Saturday last; 4 cases of enteric fever were admitted during the week, against 5 in each of the two preceding weeks.

The deaths primarily attributed to *influenza*, which had been 4, 67, 127, 105, and 75 in the five preceding weeks, further declined last week to 38; of these, 13 belonged to the south, 10 to the west, 10 to the north, 4 to the east, and 1 to the central groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 1069, 1010, 736, and 550 in the four preceding weeks, further declined last week to 485, and were 100 below the corrected average.

Different forms of violence caused 58 deaths, concerning all but 1 of which inquests were held. Of these 58 deaths, 5 were cases of suicide, while the remaining 53 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 10 by burns or scalds, 1 by drowning, and 17 of infants aged under one year by suffocation.

#### GREATER LONDON.

In Greater London 3667 births and 2228 deaths were registered, corresponding to annual rates of 33.2 and 20.2 per 1000 of the estimated population. In the Outer Ring 29 deaths from whooping-cough, 9 from measles, and 8 from diphtheria, were registered. The fatal cases of whooping-cough included 7 in West Ham, and 6 Croydon sub-districts. Three deaths from measles were returned in Croydon and the West Ham sub-districts; and 3 of the 8 fatal cases of diphtheria also occurred in West Ham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 30.10 ins.; the highest reading was 30.29 ins. on Monday morning and the lowest 29.89 ins. on Tuesday evening. The mean temperature of the *air* was  $37^{\circ}.1$ , and  $3^{\circ}.3$  below the average in the corresponding weeks of the 20 years ending 1868. The mean showed a slight excess on Sunday, but was below the average on each of the other days of the week. The general direction of the *wind* was N.E., and the horizontal movement of the air averaged 8.6 miles per hour, which was 5.5 below the average in the corresponding weeks of 16 years. *Rain* fell on three days of the week, to the aggregate amount of 0.05 of an inch. The duration of registered bright sunshine in the week was 9.5 hours, against 22.7 hours at Glynde Place, Lewes.

1890. - During January, and during the week ending 8th February 1890.

CITIES AND BOROUGHES.	POPULATION estimated middle of the year 1860.*	Registered during the week ending 8th Feb., 1860.		The DEATHS registered in the Week include												ANNUAL Rate per 1000, corresponding to the Week's Deaths				RAINFALL.		CITIES AND BOROUGHES.					
		BIRTHS.	DEATHS.	Deaths from												From All Causes.	From Diseases in Colds, &c.	In Inches.	In Centi- metres.								
				Small-pox, Measles, Scarlet Fever, Diphtheria, Whooping- cough, Fever, Diarrhoea, Violence.								Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.													
				1.	2.	3.	4.	5.	6.	7.	8.				9.					10.	11.		12.	13.	14.	15.	16.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.		
28 TOWNS	9,715,559	5999	4292	892	1090	-	41	51	42	168	24	19	139	291	755	97	230	19	520	251	384	356	003	008	-	28 TOWNS.	
LONDON	4,421,661	2707	1749	372	463	-	8	19	24	91	2	4	58	125	401	13	206	17	469	277	371	283	005	013	-	LONDON.	
BRIGHTON	123,659	63	54	6	19	-	-	-	1	4	-	-	1	1	6	3	228	21	470	292	372	289	000	000	-	BRIGHTON.	
PORTSMOUTH	142,952	108	82	14	29	-	-	-	2	2	1	-	2	4	17	8	299	18	-	-	-	-	-	-	-	PORTSMOUTH.	
NORWICH	95,352	63	56	16	16	-	1	-	-	-	-	-	-	1	3	8	306	11	-	-	-	-	-	-	-	NORWICH.	
PLYMOUTH	78,780	49	39	10	7	-	1	1	1	2	-	-	-	4	1	6	258	26	490	280	389	389	006	015	-	PLYMOUTH.	
BRISTOL	232,248	111	155	32	42	-	-	1	1	20	1	1	3	7	21	6	348	54	480	270	372	289	004	010	-	BRISTOL.	
WOLVERHAMPTON	88,406	49	41	11	9	-	-	-	-	1	-	1	1	2	5	1	256	13	485	251	363	239	000	000	-	WOLVERHAMPTON.	
BIRMINGHAM	461,865	285	231	51	55	-	7	7	-	4	1	1	8	19	31	9	261	23	-	-	-	-	-	-	-	BIRMINGHAM.	
LEICESTER	154,344	98	49	11	12	-	-	-	-	1	-	-	2	7	6	1	166	03	-	-	-	-	-	-	-	LEICESTER.	
NOTTINGHAM	244,909	142	91	21	28	-	1	1	-	-	1	-	2	7	9	1	194	09	492	297	385	361	001	003	-	NOTTINGHAM.	
DERBY	100,871	53	36	7	8	-	-	-	-	-	-	-	-	2	3	-	186	00	-	-	-	-	-	-	-	DERBY.	
BIRKENHEAD	105,049	52	39	6	6	-	-	-	-	-	-	-	-	2	5	1	194	05	-	-	-	-	-	-	-	BIRKENHEAD.	
LIVERPOOL	613,463	364	320	71	54	-	13	3	2	14	2	-	12	14	65	21	272	29	467	306	383	350	001	003	-	LIVERPOOL.	
BOLTON	115,846	68	46	13	6	-	-	1	2	5	1	-	-	-	6	-	207	41	-	-	-	-	-	-	-	BOLTON.	
MANCHESTER	379,437	274	221	42	50	-	4	3	4	3	3	4	8	23	48	6	304	29	-	-	-	-	-	-	-	MANCHESTER.	
SALFORD	242,569	151	107	19	12	-	-	2	5	4	-	3	5	7	16	6	230	30	-	-	-	-	-	-	-	SALFORD.	
OLDHAM	146,716	91	70	10	16	-	-	-	-	3	-	-	1	5	7	21	1	249	18	-	-	-	-	-	-	OLDHAM.	
BLACKBURN	123,553	82	55	11	17	-	-	-	-	-	-	-	1	1	4	-	232	04	-	-	-	-	-	-	-	BLACKBURN.	
PRESTON	105,163	87	54	14	11	-	1	1	-	-	-	-	1	1	4	2	268	15	-	-	-	-	-	-	-	PRESTON.	
HUDDESFIELD	94,253	59	36	6	14	-	-	-	-	-	-	-	-	1	3	-	199	00	-	-	-	-	-	-	-	HUDDESFIELD.	
HALEFAX	82,034	46	35	8	10	-	-	-	-	-	-	-	-	-	3	5	222	00	-	-	-	-	-	-	-	HALEFAX.	
BRADFORD	240,515	112	107	19	30	-	4	1	-	1	-	-	6	10	17	2	232	13	500	300	402	456	005	013	-	BRADFORD.	
LEEDS	363,799	222	178	31	61	-	-	3	-	8	3	-	3	9	11	2	255	20	-	-	-	-	-	-	-	LEEDS.	
SHEFFIELD	332,837	204	148	29	37	-	1	5	-	-	1	2	-	4	13	13	232	14	-	-	-	-	-	-	-	SHEFFIELD.	
HULL	213,533	115	84	18	28	-	1	-	-	1	-	-	-	4	6	7	205	05	500	270	380	383	007	018	-	HULL.	
SUNDERLAND	156,506	117	67	12	19	-	-	-	-	-	-	-	1	3	9	10	1	256	19	520	310	411	506	003	008	-	SUNDERLAND.
NEWCASTLE	162,967	141	91	17	21	-	-	2	-	-	1	1	1	5	8	2	291	16	470	300	392	400	000	000	-	NEWCASTLE.	
CARDIFF	117,012	86	51	15	10	-	-	-	-	1	-	-	1	2	10	1	227	04	-	-	-	-	-	-	-	CARDIFF.	
EDINBURGH	271,185	147	127	20	26	-	16	3	3	3	1	1	2	?	24	29	244	52	400	251	399	272	004	010	-	EDINBURGH.	
GLASGOW	430,208	321	254	58	47	-	6	2	2	17	5	-	6	?	47	35	250	21	472	255	385	367	007	018	-	GLASGOW.	
DUBLIN	353,082	207	226	33	61	-	2	-	-	4	6	-	4	2	62	24	334	18	490	264	393	406	003	003	-	DUBLIN.	

\* See note on first page of this Return.



**TABLE 2. LONDON.—Births and Deaths Registered in the SIXTH Week of each of the Eleven Years, 1880–90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.	1890
<b>TOTAL Births</b>	2701	2819	2951	2888	2714	2913	2739	2563	2830	2772	3041.3	2707
Males . .	1369	1490	1595	1514	1417	1473	1363	1315	1383	1433	1551.9	1373
Females .	1332	1389	1416	1374	1297	1440	1376	1248	1447	1339	1489.4	1334
<b>TOTAL Deaths</b>	2495	1633	2632	1631	1499	1525	1983	1418	1838	1460	1975.3	1749
Males . .	1188	829	1324	817	809	766	972	697	914	721	935.5	886
Females .	1307	804	1308	814	690	759	1011	721	924	739	989.8	863

\* The numbers in this column are the average weekly numbers in the sixth weeks of the ten years 1880–89, raised by 9.046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

			Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.		
TOTAL Births			-	-	2522	2517	2321	2270	2535	2513	1815	2961	2818	2714	2510	2699	2707
TOTAL Deaths			-	-	1451	1375	1448	1683	1768	1816	1690	2371	2747	2720	2227	1849	1749
Ages at Death	{	0-20 years	-	-	667	660	647	713	719	723	651	834	939	909	775	703	714
		20-40 "	-	-	188	176	184	196	227	216	220	346	367	450	349	282	238
		40-60 "	-	-	254	259	266	294	312	348	332	541	670	666	510	369	334
		60-80 "	-	-	265	222	292	392	418	424	396	552	640	576	503	390	363
		80 years & upwards	-	-	77	55	59	88	92	105	91	98	131	119	90	105	100
"	{	Under 1 year	-	-	343	335	333	353	375	364	326	393	430	415	386	350	372
		1-5 "	-	-	235	233	227	265	247	261	232	310	375	344	294	250	254
		5-20 "	-	-	89	93	87	95	97	98	93	126	134	150	95	103	88
Deaths from Small-pox			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
"	"	Measles	-	-	33	33	18	41	30	35	29	36	24	24	21	11	8
"	"	Scarlet fever	-	-	24	17	19	24	12	22	14	15	13	22	10	14	19
"	"	Diphtheria	-	-	38	30	33	47	35	27	26	32	26	22	22	24	24
"	"	Whooping-cough	-	-	37	31	44	47	49	60	67	98	112	104	82	67	91
"	"	Typhus	-	-	1	-	-	-	-	1	2	-	-	-	1	-	-
"	"	Enteric fever	-	-	20	22	15	8	15	12	13	12	11	14	10	9	2
"	"	Simple Cont <sup>d</sup> fever	-	-	-	2	1	2	-	-	-	1	1	-	-	-	-
"	"	Diarrhoea and Dysentery	-	-	16	17	12	12	14	13	19	10	12	6	14	9	4
"	"	Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	"	all the above- mentioned Diseases	-	-	169	152	142	181	155	170	170	203	199	193	160	134	143
"	"	Dis. of Respira- tory System	-	-	321	328	345	432	552	518	467	843	1069	1010	736	550	485
"	"	Phthisis	-	-	154	169	183	161	182	161	180	247	267	312	239	220	209
"	"	Dis. of Circula- tory System	-	-	121	113	126	165	163	189	153	222	275	209	193	116	154
Violent Deaths			-	-	65	57	53	56	55	69	47	91	55	65	60	62	58
Inquest Cases			-	-	122	114	113	128	124	156	121	195	192	171	142	127	125
Deaths in Public Institutions			-	-	363	314	336	358	422	419	400	494	534	626	491	470	401
TEMPERATURE OF THE AIR																	
Mean			-	-	46.8	44.9	37.6	32.1	38.1	43.5	39.8	32.8	47.6	45.5	42.7	42.9	37.1
Mean of Highest readings			-	-	52.7	48.2	43.4	35.8	42.5	47.3	44.0	36.7	52.4	50.6	48.4	48.3	42.7
Mean of Lowest readings			-	-	41.0	41.3	32.0	27.8	31.9	38.1	35.2	28.5	43.0	39.4	36.9	38.2	32.0
Humidity of the Air			-	-	93	94	84	85	92	94	90	97	89	86	84	90	89
Rain-fall in inches			-	-	0.01	0.13	0.32	0.23	0.23	0.33	0.61	0.11	0.40	0.13	0.77	0.73	0.05
Registered Sunshine (in hours)			-	-	11.9	0.0	5.9	8.4	4.4	2.1	3.2	5.0	10.1	7.3	14.9	8.9	9.5

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the SIXTH Week of the Year 1890.

CAUSES OF DEATH.		Corrected Averages for the 6th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 8th February 1890.								CAUSES OF DEATH.		Corrected Averages for the 6th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 8th February 1890.									
			Deaths of Persons of the Ages											Deaths of Persons of the Ages									
			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.					30 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.		30 Years and upwards.
				0-1.	1-5.	5-20.			0-1.	1-5.						5-20.	0-1.	1-5.			5-20.		
ALL CAUSES - -		1890-91.†	1749	372	254	88	238	334	363	100													
Small-pox { Vaccinated† - - - - - } 13·2 {			-	-	-	-	-	-	-	-													
Unvaccinated - - - - -			-	-	-	-	-	-	-	-													
No Statement - - - - -			-	-	-	-	-	-	-	-													
Measles - - - - -		31·1	8	3	5	-	-	-	-	-													
Scarlet Fever - - - - -		23·1	19	1	14	4	-	-	-	-													
Typhus - - - - -		1·1	-	-	-	-	-	-	-	-													
Relapsing Fever † - - - - -		0·0	-	-	-	-	-	-	-	-													
Influenza - - - - -		0·3	38	1	3	3	7	11	10	3													
Whooping-cough - - - - -		109·7	81	36	54	1	-	-	-	-													
Diphtheria - - - - -		21·1	24	2	14	7	-	1	-	-													
Simple Continued and Ill-defined Fever - - - - -		0·8	-	-	-	-	-	-	-	-													
Enteric Fever - - - - -		13·5	2	-	-	1	1	-	-	-													
Cholera - - - - -		0·0	-	-	-	-	-	-	-	-													
Diarrhoea, Dysentery - - - - -		15·0	4	4	-	-	-	-	-	-													
Remittent Fever† - - - - -		0·0	-	-	-	-	-	-	-	-													
Hydrophobia - - - - -		0·1	-	-	-	-	-	-	-	-													
Glanders - - - - -		0·1	-	-	-	-	-	-	-	-													
Cowpox and Effects of Vaccination † - - - - -		0·1	-	-	-	-	-	-	-	-													
Venereal Affections - - - - -		11·9	8	5	1	-	2	-	-	-													
Erysipelas - - - - -		9·2	8	3	2	-	1	2	-	-													
Pyæmia and Septicæmia † - - - - -		2·7	4	1	-	-	3	-	-	-													
Puerperal Fever - - - - -		8·8	8	-	-	-	3	-	-	-													
Other Zymotic Diseases † - - - - -		0·9	1	-	1	-	-	-	-	-													
Thrush - - - - -		2·8	1	1	-	-	-	-	-	-													
Worms and other Parasitical Diseases - - - - -		0·5	1	-	1	-	-	-	-	-													
Starvation, Want of Breast-milk † - - - - -		1·9	4	4	-	-	-	-	-	-													
Alcoholism - - - - -		3·5	13	-	-	-	4	8	1	-													
Rheumatic Fever, Rheumatism of Heart† - - - - -		10·1	3	-	-	-	1	1	1	-													
Rheumatism † - - - - -		2·8	2	-	-	-	-	-	1	1													
Gout - - - - -		3·9	1	-	-	-	-	-	1	-													
Rickets † - - - - -		3·8	6	2	4	-	-	-	-	-													
Cancer - - - - -		51·7	54	-	1	1	10	24	18	-													
Tubercular Meningitis - - - - -		24·9	28	16	8	1	1	-	-	-													
Phthisis - - - - -		30·5	13	5	6	2	-	-	-	-													
Scrophula, Tuberculosis - - - - -		190·3	209	1	4	14	101	82	7	-													
Other Constitutional Diseases † - - - - -		17·4	7	3	1	2	-	1	-	-													
Premature Birth - - - - -		9·3	13	-	-	-	4	3	5	1													
Atelactasis † - - - - -		40·2	40	40	-	-	-	-	-	-													
Congenital Malformations - - - - -		3·1	1	1	-	-	-	-	-	-													
Old Age - - - - -		7·5	6	5	1	-	-	-	-	-													
Apoplexy - - - - -		65·2	55	-	-	-	-	-	27	23													
Epilepsy - - - - -		51·0	42	-	1	-	3	11	21	6													
Convulsions - - - - -		8·8	5	-	-	-	1	1	3	-													
Other Diseases of Brain and Nervous System - - - - -		52·1	58	52	6	-	-	-	-	-													
Diseases of Organs of Special Sense † - - - - -		100·4	92	15	14	9	5	23	22	4													
Diseases of Circulatory System - - - - -		2·0	1	-	-	-	1	-	-	-													
Croup - - - - -		145·0	154	2	1	12	23	35	69	12													
Bronchitis - - - - -		13·8	13	-	12	1	-	-	-	-													
Pneumonia - - - - -		391·1	809	51	49	7	15	59	114	23													
Pleurisy - - - - -		124·3	117	23	29	9	14	31	16	-													
Other Diseases of Respiratory System - - - - -		5·8	4	2	1	-	1	-	-	-													
Dentition † - - - - -		49·6	42	6	13	1	3	8	6	6													
Quinsy, Sore Throat † - - - - -		17·7	15	11	4	-	-	-	-	-													
Enteritis - - - - -		1·9	7	-	9	1	-	-	-	-													
Peritonitis - - - - -		7·0	7	2	1	-	1	1	2	-													
Diseases of Liver - - - - -		6·8	1	-	1	-	-	-	-	-													
Other Diseases of Digestive System - - - - -		29·0	23	5	-	-	3	6	8	1													
Diseases of Lymphatic System & of Ductless Glands † - - - - -		29·2	24	3	-	-	4	6	7	4													
Diseases of Urinary System - - - - -		2·4	4	-	-	-	1	3	-	-													
Diseases of Generative System - - - - -		44·5	43	-	-	3	8	13	11	8													
Accidents of Childbirth - - - - -		5·7	7	-	-	-	1	3	2	1													
Diseases of Locomotive System † - - - - -		4·9	3	-	-	1	2	-	-	-													
Diseases of Integumentary System - - - - -		6·2	10	-	1	3	4	1	1	-													
VIOLENT DEATHS.†		6·9	7	2	2	-	-	1	2	-													
(ACCIDENT.)																							
Fracture and Contusion - - - - -		21·8	24	1	2	2	4	6	6	3													
Gunshot Wound - - - - -		0·1	-	-	-	-	-	-	-	-													
Cut, Stab - - - - -		0·2	-	-	-	-	-	-	-	-													
Burn and Scald - - - - -		7·6	10	1	4	2	2	-	1	-													
Poison - - - - -		1·3	-	-	-	-	-	-	-	-													
Drowning - - - - -		5·1	1	-	-	1	-	-	-	-													
Suffocation - - - - -		18·2	17	17	-	-	-	-	-	-													
Otherwise - - - - -		2·2	1	-	-	-	1	-	-	-													
(HOMICIDE.)																							
Murder & Manslaughter - - - - -		1·5	-	-	-	-	-	-	-	-													
(SUICIDE.)																							
Gunshot Wound - - - - -		0·5	-	-	-	-	-	-	-	-													
Cut, Stab - - - - -		1·5	-	-	-	-	-	-	-	-													
Poison - - - - -		1·1	1	-	-	-	1	-	-	-													
Drowning - - - - -		0·5	-	-	-	-	-	-	-	-													
Hanging - - - - -		2·0	4	-	-	-	3	1	-	-													
Otherwise - - - - -		0·8	-	-	-	-	-	-	-	-													
(EXECUTION.)																							
Hanging - - - - -		0·0	-	-	-	-	-	-	-	-													
OTHER CAUSES † - - - - -		61·3	45	40	2	-	-	1	2	-													

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9·046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



## Deaths from some Zymotic and other Causes.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation, 1881.	The DEATHS registered in the Week include												
		Total Births.	Total Deaths.	Deaths of		Deaths from								
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.
LONDON	3,515,704	2707	1749	372	463	-	8	19	24	91	-	2	-	4
WEST DISTRICTS	669,688	421	289	59	93	-	-	3	4	16	-	-	-	1
NORTH DISTRICTS	905,947	580	378	76	107	-	2	5	5	14	-	1	-	2
CENTRAL DISTRICTS	282,238	155	106	20	21	-	8	1	1	2	-	-	-	3
EAST DISTRICTS	662,738	551	354	77	74	-	1	2	3	80	-	1	-	1
SOUTH DISTRICTS	1,865,148	1000	617	140	168	-	2	3	11	29	-	-	-	20
METROPOLITAN ASYLUM HOSPITALS OUTSIDE REGISTRATION LONDON	-	-	5	-	-	-	-	5	-	-	-	-	-	-
WEST DISTRICTS.														
St. Mary Paddington WHH G.J. & W.M.	96888	48	32	6	14	-	-	-	-	1	-	-	-	3
St. John Paddington H - G.J.	87880	10	10	-	3	-	-	-	-	2	-	-	-	4
Kensington Town Ww - W.M.	190141	64	54	10	28	-	-	-	-	3	-	-	-	3
Brompton H - W.M. & C.	48010	15	14	1	6	-	-	-	-	-	-	-	-	2
St. Peter Hammersmith - W.M.	7599	5	1	1	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H W.M. & G.J.	64340	59	33	7	8	-	-	-	2	4	-	-	-	1
Fulham Ww - W.M. & C.	42900	53	34	14	5	-	1	1	1	2	-	-	-	3
Chelsea South HHH - C.	30896	23	5	2	-	-	-	-	-	1	-	-	-	1
Chelsea North-west WHHHHH C.	24925	17	21	1	9	-	-	-	-	-	-	-	-	4
Chelsea North-east C.	32807	32	8	2	2	-	-	2	-	2	-	-	-	1
May Fair WW - G.J.	80853	11	13	1	7	-	-	-	-	-	-	-	-	11
Belgrave WHHH - C.	59220	23	17	2	6	-	-	1	-	-	-	-	-	3
St. John Westminster HHH - C.	35498	23	16	3	3	-	-	-	-	-	-	-	-	7
St. Margaret Westminster H - C.	24679	13	11	5	-	-	-	-	1	-	-	-	-	5
St. James Westminster WHH N.R. & G.J.	29941	17	13	2	6	-	-	-	-	-	-	-	-	1
St. Anne Soho HHHHHH - N.R.	16808	4	7	3	1	-	-	-	-	-	-	-	-	2
NORTH DISTRICTS.														
All Souls Marylebone HHHHH W.M.	26739	11	7	-	3	-	-	-	-	-	-	-	-	3
Cavendish Square HHHH - W.M.	14881	5	5	-	2	-	-	-	-	-	-	-	-	1
Rectory Marylebone WH G.J. & W.M.	24809	9	8	2	3	-	-	-	-	-	-	-	-	4
St. Mary Maryleb. HHH G.J. & W.M.	21118	19	10	3	4	-	-	-	-	-	-	-	-	1
Christchurch Marylebone HHH - W.M.	38700	22	11	3	1	-	-	-	-	1	-	-	-	2
St. John Marylebone H - W.M.	33633	17	13	1	5	-	-	-	-	2	-	-	-	1
Hampstead WwHHHH N.R. & W.M.	45452	34	21	5	5	-	1	-	-	-	-	-	-	2
Regent's Park Paneras H - W.M.	39115	16	6	-	3	-	-	-	1	-	-	-	-	1
Tottenham-court WHHHH N.R. & W.M.	27729	13	14	3	2	-	-	-	1	1	-	1	-	7
Gray's Inn Lane HHH - N.R.	30247	17	18	3	4	-	-	-	1	-	-	-	-	5
Somers Town H - N.R.	84389	28	13	3	3	-	-	-	-	-	-	-	-	1
Camden Town WH - N.R.	17811	12	11	-	7	-	-	-	-	-	-	-	-	7
Kentish Town W - N.R.	57487	65	36	8	10	-	-	-	1	2	-	-	-	2
Upper Holloway WWH - N.R.	67046	52	64	12	17	-	-	-	-	3	-	-	-	3
Islington South-west HH - N.R.	100976	70	81	6	11	-	1	1	-	-	-	-	-	6
Islington South-east - N.R.	61825	31	22	4	4	-	-	-	-	1	-	-	-	1
Highbury H - N.R.	52043	43	14	4	4	-	-	-	-	1	-	-	-	2
Stoke Newington H - N.R.	22781	14	5	1	-	-	-	-	-	-	-	-	-	1
Stamford Hill - E.L.	9277	5	1	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - E.L.	27610	26	9	4	4	-	-	-	-	-	-	-	-	1
Hackney WwHHH - E.L. & N.R.	76911	60	45	7	11	-	1	3	3	1	-	-	-	1
South Hackney - E.L.	39883	21	14	6	1	-	-	-	-	1	-	-	-	20
CENTRAL DISTRICTS.														
St. George Bloomsbury - N.R.	16681	2	1	-	1	-	-	-	-	-	-	-	-	-
St. Giles South WH - N.R.	14984	23	9	2	-	-	-	-	-	-	-	-	-	1
St. Giles North - N.R.	13837	7	7	-	3	-	-	-	-	-	-	-	-	1
St. Martin-in-the-Fields HH N.R. & C.	17608	9	6	1	2	-	-	-	-	1	-	-	-	1
St. Mary-le-Strand H - N.R.	7515	3	4	-	-	-	-	-	-	-	-	-	-	3
St. Clement Danes H - N.R.	8559	3	7	1	-	-	-	-	-	-	-	-	-	6
Strand Union Workhouse, Edmonton w.	-	-	2	-	2	-	-	-	-	-	-	-	-	2
St. Geo.-the-Martyr HHHHHH N.R.	18671	12	7	1	2	-	-	-	-	-	-	-	-	8
St. Andrew Eastern W - N.R.	10706	6	6	1	1	-	-	-	-	-	-	-	-	1
Bedford Hill H - N.R.	6533	4	1	-	-	-	-	-	1	-	-	-	-	-
St. James Clerkenwell - N.R.	17516	5	6	3	-	-	-	-	-	-	-	-	-	1
Amwell Clerkenwell - N.R.	19281	9	5	-	2	-	-	-	-	-	-	-	-	1
Pentonville - N.R.	14773	12	6	2	8	-	1	-	-	-	-	-	-	-
Goswell-street - N.R.	17505	16	4	2	-	-	-	-	-	-	-	-	-	-
Old-street H - N.R.	11541	4	9	-	-	-	-	-	-	-	-	-	-	1
City-road HHL - N.R.	18623	15	3	3	1	-	-	-	-	-	-	-	-	1
Whitecross-street - N.R.	9217	7	3	2	-	-	2	-	1	-	-	-	-	-
Finsbury - N.R.	7453	1	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham, w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - N.R. & E.L.	11174	3	3	1	2	-	-	-	-	-	-	-	-	-
Cripplegate - N.R.	7193	3	1	-	1	-	-	-	-	-	-	-	-	1
St. Sepulchre H - N.R.	5355	5	15	1	-	-	1	-	-	-	-	-	-	1
St. Bride W - N.R.	8396	3	2	-	1	-	-	-	-	-	-	-	-	-
Allhallows Barking - N.R.	13665	3	1	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - N.R.	6552	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving inmates from other Districts than that in which it stands, see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J., signified Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East London; and K., the Kent Company.

OVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
 tuesday, 8th February, 1890.

REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	The DEATHS registered in the Week include:																
				Total Deaths.	Deaths of			Deaths from										Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
EAST DISTRICTS.																				
Lywell Shoreditch	N.R. & E.L.	7376	4	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Leonard Shoreditch	H L	14967	10	8	3	-	-	-	-	-	-	-	-	-	-	1	1	1	9	
Boxton New Town	-	29937	28	19	3	9	-	1	-	3	-	-	-	-	-	-	2	-	-	
Boxton Old Town	-	28036	12	11	2	4	-	-	-	1	-	-	-	-	-	1	2	11	-	
Aggerston W H	-	46275	44	30	5	5	-	-	-	6	-	-	-	-	-	-	-	-	-	
ethnal Green North	H	-	51157	42	21	6	3	-	-	1	1	-	-	-	-	1	2	-	-	
ethnal Green South	-	-	34359	33	10	6	1	-	-	-	-	-	-	-	-	2	3	-	-	
ethnal Green East	W H	-	41405	32	23	4	9	-	-	2	-	-	-	-	-	1	1	21	-	
italfields	-	E.L. & N.R.	22585	17	12	5	1	-	-	1	1	-	-	-	-	-	-	-	-	
ile End New Town	W	-	15473	24	12	1	4	-	-	-	-	-	-	-	-	-	2	9	-	
Whitechapel Church	H	E.L. & N.R.	17490	11	21	3	3	-	-	-	-	-	-	-	-	3	3	15	-	
oodman's Fields	-	-	9713	4	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	
ldgate	-	N.R. & E.L.	6102	8	6	1	-	-	-	-	1	-	-	-	-	1	1	-	-	
St. George's, North	-	E.L.	38747	27	12	3	2	-	-	-	3	-	-	-	-	1	3	-	-	
St. John, St. George East	W	-	8410	8	9	-	2	-	-	1	-	-	-	-	-	-	-	6	-	
adwell	H	-	10895	6	5	2	-	-	-	-	-	-	-	-	-	-	-	4	-	
atcliff	-	E.L.	16107	14	8	1	2	-	-	-	-	-	-	-	-	-	1	-	-	
imehouse	-	E.L.	32041	22	4	1	2	-	-	-	1	-	-	-	-	-	-	-	-	
ile End Old Town West	H	E.L.	37960	59	20	2	4	-	-	1	3	-	-	-	-	-	-	1	-	
ile End Old Town East	W W W H	E.L.	67653	45	34	9	6	-	-	-	4	-	1	-	-	1	4	4	-	
ow L	-	E.L.	37074	50	19	6	1	-	-	-	2	-	-	-	-	-	1	2	-	
romley W W W H	-	E.L.	64359	43	29	10	12	-	-	-	-	-	-	-	-	2	5	17	-	
oplar W W H	-	E.L.	55077	47	17	3	3	-	-	-	-	-	-	-	-	2	2	1	-	
SOUTH DISTRICTS.																				
Smithchurch Southwark	W H	L. & S.	18663	8	14	4	5	-	-	-	-	-	-	-	-	1	1	2	-	
St. Saviour Southwark	-	S.	14999	10	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
ent-road	-	S. & L.	21381	17	10	4	2	-	-	1	-	-	-	-	-	-	3	-	-	
ombeth-road	W H	-	15953	11	9	2	2	-	-	-	-	-	-	-	-	-	2	2	-	
ondon-road	H L	-	21315	17	10	4	1	-	-	-	-	-	-	-	-	-	1	-	2	
inity Newington	-	S. & L.	26672	23	10	3	4	-	-	-	-	-	-	-	-	-	1	-	2	
St. Peter Walworth	W	S. & L.	59555	66	33	8	13	-	-	-	1	-	-	-	-	2	3	12	-	
St. Mary Newington	-	L. & S.	21623	15	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Olave	W H	-	11956	7	14	1	2	-	-	-	-	-	-	-	-	1	2	9	-	
Seething Market	-	S. & L.	16209	13	7	2	1	-	-	-	-	-	-	-	-	-	1	-	-	
St. Mary Magdalen	W	-	15669	13	6	-	2	-	-	-	-	-	-	-	-	-	1	2	-	
St. James Bermondsey	-	S.	54682	38	25	7	5	-	-	-	2	-	-	-	-	-	-	-	-	
Otherhithe	W H	-	36024	27	18	1	3	-	-	1	-	-	-	-	-	-	-	2	-	
Waterloo-road 1st	H	-	15195	14	5	2	-	-	-	-	-	-	-	-	-	1	1	-	-	
Waterloo-road 2nd	H	-	16231	11	9	3	1	-	-	-	-	-	-	-	-	-	-	1	-	
ombeth Church 1st	H	-	19876	15	13	3	3	-	-	3	-	-	-	-	-	-	1	1	-	
ombeth Church 2nd	W W	-	39859	37	28	2	17	-	-	-	-	-	-	-	-	2	3	19	1	
ennington 1st	-	S. & L.	45232	31	14	2	5	-	-	-	1	-	-	-	-	-	-	-	-	
ennington 2nd	-	S. & L.	35332	20	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
rixton	W W	-	62337	48	24	6	8	-	-	1	-	-	-	-	-	-	-	-	-	
erwood	W	-	19017	12	10	1	5	-	-	-	1	-	-	-	-	-	-	-	-	
East Battersea	-	S.	54675	54	25	10	6	-	-	-	2	-	-	-	-	-	1	-	-	
West Battersea	W W H	-	52337	46	42	10	10	-	-	1	3	-	-	-	-	1	1	10	-	
apham	H	-	36380	24	14	5	3	-	-	1	-	-	-	-	-	-	2	-	-	
andsworth	W H L	-	28004	31	7	-	1	-	-	1	-	-	-	-	-	-	-	-	-	
utney	-	S.	18235	12	4	1	1	-	-	-	1	-	-	-	-	-	-	-	-	
reatham	-	L.	25553	27	13	3	5	-	-	-	1	-	-	-	-	1	1	-	-	
ulwich	-	L. & S.	5590	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
amberwell	W W L L	-	59104	50	41	9	7	-	1	1	3	-	-	-	-	-	-	18	-	
ockham	W	S. & L.	71089	58	33	10	11	-	-	-	4	-	-	-	-	1	3	-	-	
St. George Camberwell	-	L. & S.	60810	48	19	2	6	-	-	-	1	-	-	-	-	-	-	-	-	
St. Paul Deptford	W W	-	76752	72	43	12	8	-	1	1	2	1	-	-	-	2	3	1	-	
St. Nicholas Deptford	-	K.	7501	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Greenwich West	H	-	21972	20	6	-	1	-	-	-	-	-	-	-	-	1	1	9	-	
Greenwich East	W H H	-	24605	22	16	5	2	-	-	-	1	-	-	-	-	-	-	-	-	
Iltham	H	-	5046	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
ee	H	-	21559	5	2	-	1	-	-	-	-	-	-	-	-	-	1	-	-	
ewisham	W H	-	19865	16	10	2	1	-	-	-	1	-	-	-	-	-	-	-	-	
Hydenham	H	-	26076	9	15	1	9	-	-	-	-	-	-	-	-	-	-	-	-	
harlton	H H	-	10930	9	6	2	1	-	-	-	-	-	-	-	-	-	-	2	1	
oolwich Dockyard	-	K.	17617	14	8	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
oolwich Arsenal	H H	-	19045	8	7	2	1	-	-	-	1	-	-	-	-	-	-	-	-	
lumstead, West	H	-	14009	13	6	3	-	-	-	-	1	-	-	-	-	-	-	-	-	
lumstead, East	W	-	19241	32	25	5	7	-	-	1	1	-	-	-	-	2	2	8	-	
Metropolitan Asylum Hospitals:																				
Dartford	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	
Winchmore Hill	W	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	
Plattow	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by w:-

Marylebone Infirmary in Kensington Town sub-district.  
 Central London Sick Asylum in Tottenham Court sub-district.  
 Holborn Infirmary in Upper Holloway sub-district.  
 London City Workhouse " Hackney sub-district.  
 Holborn " " Brixton New Town Eastern sub-dist.  
 Whitechapel " " Mile End Old Town Eastern sub-dist.  
 London City " " Mile End Old Town Eastern sub-dist.  
 " " " and Bromley sub-district.  
 \* Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.  
 Poplar & Stepney Sick Asylum  
 Westminster Union Industrial School in West Battersea sub-district.  
 St. Saviour's Infirmary in Camberwell sub-district.  
 Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.  
 Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 8th February, 1890.

Registration District and Sub-district Numbers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, including Tidal Water and Fore-shore.	Enumerated Population, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include														
						Deaths of		Deaths from										Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.					
LONDON—OUTER RING		370,924	950,957	960	479	108	132	-	9	1	8	29	3	6	7	20	59	6		
30:1	Carshalton <i>wL</i> -	12228	21118	10	5	1	2	-	-	-	-	-	-	-	-	-	1	-		
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	5	5	-	4	-	-	-	-	-	-	-	1	1	1	-		
37:1	Godstone ( <i>part of</i> ) * -	2754	1235	-	2	1	1	-	-	-	1	-	-	-	-	-	-	-		
38:1	Croydon <i>WwHLL</i> -	20851	101241	77	57	13	15	-	3	-	1	6	1	1	1	4	11	-		
2	Mitcham <i>w†</i> -	11697	17932	11	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
39:1	Wimbledon <i>HHH</i> -	3220	15950	23	5	3	-	-	-	-	-	-	-	-	-	-	-	-		
2	Kingston <i>WHH</i> -	8549	36354	14	17	4	6	-	-	-	-	1	-	-	1	2	1	-		
3	Esher ( <i>part of</i> ) * -	6601	9221	14	6	1	2	-	-	-	-	-	-	-	-	-	-	-		
4	Hampton <i>H</i> -	4573	13539	9	4	1	1	-	-	-	-	-	-	-	-	-	-	-		
40:1	Richmond <i>WH</i> -	2272	21302	13	9	4	3	-	-	-	-	1	-	-	-	1	1	-		
2	Mortlake -	2941	12331	15	3	2	-	-	-	-	-	2	-	-	-	-	-	-		
41:1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15669	81142	17	8	3	2	-	-	-	-	-	-	-	-	-	-	-		
2	Chislehurst ( <i>pt. of</i> ) * <i>WHH</i>	14307	16844	29	8	2	4	-	-	-	-	-	-	-	-	-	2	-		
42:1	Bexley <i>H</i> -	18437	24134	20	9	1	4	-	-	-	-	-	-	1	1	1	-	-		
2	Dartford ( <i>Ww, pts. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
124:1	Sunbury <i>w</i> -	11055	11635	8	3	2	1	-	-	-	-	-	-	1	-	-	-	-		
2	Staines <i>W</i> -	13277	12089	10	8	2	2	-	1	-	-	-	-	-	-	-	2	-		
125:1	Hillingdon <i>WHH</i> -	6029	10802	7	6	3	1	-	-	-	-	-	-	-	-	-	1	-		
2	Uxbridge -	6173	3225	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	Hayes <i>wHL</i> -	14537	11523	3	9	-	3	-	-	-	-	-	-	-	-	-	7	-		
126:1	Isleworth <i>WHH</i> -	7008	22727	14	3	2	4	-	-	-	-	-	-	-	-	1	1	-		
2	Twickenham <i>H</i> -	2477	12479	14	6	-	2	-	-	-	-	-	-	-	1	2	-	-		
3	Brentford <i>HL</i> -	4345	27649	25	11	6	1	-	-	-	1	1	-	-	-	-	-	-		
4	Chiswick -	1340	15375	19	7	1	1	-	-	-	-	-	-	-	-	1	-	-		
5	Aston <i>wH</i> -	6033	22876	14	3	-	1	-	-	-	1	-	-	-	-	-	-	-		
127:1	Harrow <i>H</i> -	13809	12793	11	7	1	5	-	-	-	-	-	-	-	-	-	-	-		
2	Edgware <i>H</i> -	6994	3749	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	Willesden -	4933	27453	39	22	1	8	-	-	-	-	1	-	-	-	-	-	-		
4	Hendon <i>W</i> -	5382	10484	9	6	-	2	-	-	-	-	-	-	-	-	-	-	-		
137:1	Bushey -	9331	5221	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	Watford ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
138:1	South Mimms -	15599	6391	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-		
2	Barnet -	5433	10092	4	6	-	1	-	-	-	-	1	-	-	-	-	-	-		
3	Finchley <i>HL</i> -	4683	17615	12	18	-	4	-	-	-	-	-	-	-	-	1	12	-		
139:1	Hatfield ( <i>part of</i> ) * -	3306	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
122:1	Hornsey <i>H</i> -	3039	37073	40	13	3	9	-	-	-	-	1	-	-	-	-	-	-		
2	Tottenham <i>H</i> -	4642	46456	73	31	10	3	-	-	1	-	3	1	-	-	1	2	-		
3	Edmonton <i>Ww†</i> -	7453	23463	32	8	1	5	-	-	-	-	-	-	-	-	1	2	-		
4	Enfield <i>WH</i> -	12653	19104	21	7	3	3	-	-	-	-	-	-	-	-	-	1	-		
5	Waltham Abbey -	11017	5363	5	3	-	1	-	-	-	-	-	-	-	-	-	-	-		
6	Cheshunt -	8480	7735	6	6	1	2	-	-	-	-	-	-	-	-	1	-	-		
138:1	Stratford -	832	38606	35	17	4	2	-	1	-	-	2	-	-	-	-	-	1		
2	West Ham <i>wvwvHSH</i>	4055	90347	113	58	12	9	-	3	-	3	7	1	-	1	2	-	2		
3	East Ham -	3296	10706	34	13	5	-	-	-	-	-	2	-	-	-	-	-	-		
4	Leyton <i>WwL</i> -	4372	32430	55	27	6	11	-	-	-	-	1	-	3	-	-	11	1		
5	Walthamstow <i>H</i> -	5570	23839	40	11	4	3	-	1	-	-	-	-	-	1	1	-	1		
137:1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9659	8	4	2	1	-	-	-	-	-	-	-	-	-	-	-		
2	Epping ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
139:1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	7	3	-	2	-	-	-	-	-	-	-	-	-	3	-		
2	Ilford -	8493	7645	10	4	-	-	-	-	-	-	-	-	-	-	-	-	1		
3	Barking Town -	4127	9203	13	4	2	-	-	-	-	1	-	-	-	-	-	-	-		

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:— 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37: 1, the parishes of Warringham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadman and Kneebolt (pop. 1814); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Norton in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 149: 1, the parish of Daguenham in Romford sub-district; 133, deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 1, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 8th February, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
EATER LONDON	448,334	5,758,500	20·2	1·9	2228	480	595	-	17	20	32	120	5	10	65	460		
INNER LONDON -	77,410	4,421,661	20·6	1·7	1749	372	463	-	8	19	24	91	2	4	58	401		
OUTER RING -	370,924	1,336,839	18·7	2·2	479	108	132	-	9	1	8	29	3	6	7	59		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,160,014 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.									
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.			
CALCUTTA	433,219	December 28	-	275	33·1	1	-	-	1	1	84	69†			
BOMBAY	773,196	January 14	289	461	26·4	-	4	-	-	-	144	46†			
MADRAS	398,777	December 20	-	-	-	-	-	-	-	-	-	-			
PARIS	2,260,945	February 1	1199	1046	24·1	2	9	1	36*	24	5	50			
RUSSELS (th 8 Faubourgs.)	471,606	" 1	273	177	19·5	-	-	-	2	1	2	12			
AMSTERDAM	403,083	" 1	292	236	30·2	-	3	-	2	4	1	-			
ROTTERDAM	203,486	" 1	137	106	27·0	-	-	-	-	1	-	-			
THE HAGUE	153,440	" 1	107	68	22·5	-	-	-	-	-	-	-			
COPENHAGEN	307,000	" 1	213	111	18·9	-	-	4	9	8	1	2			
STOCKHOLM	228,218	January 25	189	79	18·0	-	-	3	8*	-	-	10			
CHRISTIANIA	138,300	February 1	44	88	33·1	-	10	1	7	2	-	3			
S. PETERSBURG	924,106	January 18	-	452	25·5	-	4	29	8	2	6	34			
BERLIN	1,526,887	" 18	924	669	22·8	-	6	13	37	7	3	33			
HAMBURG (State)	575,276	" 25	370	327	29·6	-	-	1	8*	2	3	42			
DRESDEN	269,250	" 25	140	132	25·6	-	-	-	3*	-	-	4			
BRISLAU	324,143	February 1	235	176	28·8	-	-	-	6*	-	2	9			
MUNICH	293,000	January 25	213	183	32·7	-	8	1	4*	-	-	19			
VIENNA	822,176	" 25	511	434	27·4	-	3	-	4	1	-	11			
PRAGUE	304,356	" 25	-	207	35·5	-	2	2	5	2	-	4			
BUDA-PESTH	463,017	" 25	320	356	40·0	-	-	1	9	1	3	30			
STRIESTE	160,092	February 1	113	119	39·7	-	3	-	-	-	-	2			
ROME	409,692	November 30	243	230	29·3	-	-	1	5	-	17‡	21			
BUEN (11 days)-	306,393	December 31	234	253	27·9	-	4	-	6*	2	9	8			
VENICE	156,515	January 25	76	132	44·0	17	-	-	1*	-	-	3			
CAIRO	374,333	" 16	399	405	56·3	1	-	-	1	4	13	118			
ALEXANDRIA	231,396	" 16	241	195	43·9	2	-	-	-	-	8	38			
NEW YORK	1,595,547	" 18	-	1151	37·6	-	2	9	24	14	2	16			
BROOKLYN	852,467	" 18	-	586	35·9	-	3	4	18	-	1	5			
PHILADELPHIA	1,040,245	" 18	-	777	38·9	-	5	1	14	1	33	5			
BALTIMORE	500,343	" 18	-	286	29·8	-	10	1	5	-	3	3			
NEW ORLEANS	254,000	December 28	-	104	21·4	-	-	-	-	-	4	6			
		January 4	-	130	26·7	-	-	-	-	-	4	9			

\* Including deaths from croup.

† Including 22 deaths from cholera in Calcutta, and 8 in Bombay.

‡ Including 12 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, FEBRUARY 8TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		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The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections suggested by a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean reading of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 30 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1876.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average level of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Office Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: -P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day or from midnight to midnight.

The reading of the barometer increased from 30° 00 in. at the beginning of the week to 30° 29 in. by 9h. P.M. on the 3rd; decreased to 29° 89 in. by 9h. P.M. on the 4th; increased to 30° 25 in. by 9h. P.M. on the 7th; and decreased to 30° 13 in. by the end of the week.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,  
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 7. 1890. VOL. LI.]      WEEK ENDING SATURDAY, FEBRUARY 15.      [Price 1½d.]

General Register Office, Somerset House,  
17th February, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25·3 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.		Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.
Birkenhead	17·9	18·4	19·4	23·8	Liverpool -	22·9	22·8	27·2	31·0
Birmingham	22·9	26·5	26·1	30·6	London -	26·3	21·8	20·6	21·3
Blackburn -	21·5	27·0	23·2	23·2	Manchester	26·9	29·3	30·4	38·6
Bolton -	23·9	20·7	20·7	33·8	Newcastle-on-Tyne	22·1	25·9	29·1	28·2
Bradford -	19·5	22·8	23·2	22·3	Norwich -	15·9	21·9	30·6	24·1
Brighton -	20·2	24·5	22·8	22·8	Nottingham	16·8	14·5	19·4	24·1
Bristol -	27·2	26·7	34·8	27·5	Oldham -	23·5	21·7	24·9	30·9
Cardiff -	21·4	19·2	22·7	24·5	Plymouth -	20·5	28·5	25·8	34·4
Derby -	15·0	17·1	18·6	21·7	Portsmouth	25·5	20·1	29·9	23·0
Halifax -	24·8	19·1	22·2	26·7	Preston -	27·8	24·3	26·8	27·8
Huddersfield	17·7	23·8	19·9	26·0	Salford -	18·9	21·3	23·0	26·0
Hull -	27·1	23·7	20·5	25·1	Sheffield -	21·0	26·2	23·2	27·3
Leeds -	27·1	24·7	25·5	30·1	Sunderland	18·3	28·6	25·6	27·5
Leicester -	20·3	19·9	16·6	24·7	Wolverhampton	25·6	23·1	25·6	33·1

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·3 in Salford, in Brighton, in Wolverhampton, and in Cardiff, 1·4 in London, 1·5 in Hull, 2·2 in Bristol, and 2·7 in Bolton; and from *measles*, 1·0 in Liverpool. In none of the twenty-eight towns did the death-rate from *scarlet fever* or from "*fever*" reach 1·0 per 1000. The 67 deaths from *diphtheria* in these towns included 39 in London, 4 in Liverpool, 4 in Manchester, 4 in Salford, 3 in Preston, 2 in Bolton, 2 in Sheffield, and 2 in Hull. No death from *small-pox* was registered in any of the twenty-eight great towns.

## LONDON.

In LONDON 2793 BIRTHS and 1809 DEATHS were registered. Allowing for increase of population, the births were 110, and the deaths 58, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from 32·4 to 20·6, rose again last week to 21·3. During the first seven weeks of the current quarter the death-rate averaged 26·1 per 1000, and was 2·9 above the mean rate in the corresponding periods of the ten years 1880–89; the mean

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



death-rate during the same period in the twenty-seven provincial towns was 24·6 per 1000.

The 1809 deaths included 21 from measles, 14 from scarlet fever, 39 from diphtheria, 115 from whooping-cough, 12 from enteric fever, 1 from an un-defined form of continued fever, 6 from diarrhœa and dysentery, and not one from small-pox, typhus, or cholera; thus, 208 deaths were referred to these diseases, being 12 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 13; 5 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. The fatal cases of *measles*, which had declined in the six preceding weeks from 36 to 8, rose again last week to 21, but were 11 below the corrected average; 3 belonged to Paddington and 4 to Islington sanitary areas. The deaths from *scarlet fever*, which had been 14 and 19 in the two previous weeks, were last week 14, and were 13 below the corrected average; 2 belonged to Fulham, 2 to Lambeth, and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1265 scarlet fever patients at the end of the week, against numbers declining in the six preceding weeks from 1609 to 1298; 63 cases were admitted to these hospitals during the week, against 99 and 75 in the two previous weeks. The deaths from *diphtheria*, which had been 24 in each of the two preceding weeks, rose last week to 39, and exceeded the corrected average by 22; 3 belonged to Pancras, 2 to Marylebone, 2 to Islington, 2 to Clerkenwell, 2 to Shoreditch, 4 to Bethnal Green, 2 to Stepney, 4 to Poplar, 2 to Camberwell, and 3 to Plumstead sanitary areas. The 115 fatal cases of *whooping-cough* showed a further increase of 24 upon the numbers in the two preceding weeks, and exceeded the corrected average by 17; 8 belonged to Pancras, 5 to Shoreditch, 7 to Bethnal Green, 5 to Mile End Old Town, 6 to Poplar, 8 to Lambeth, 6 to Battersea, 7 to Wandsworth, 13 to Camberwell, 6 to Greenwich, and 5 to Plumstead sanitary areas. The deaths attributed to *diarrhœa* and *dysentery*, which had been 14, 9, and 4 in the three preceding weeks, rose again last week to 6, but were 8 below the corrected average.

The deaths referred to *enteric fever*, which had declined in the four preceding weeks from 14 to 2, rose again last week to 12, but were 4 below the corrected average. The Metropolitan Asylum Hospitals contained 62 cases of enteric fever and 2 of typhus on Saturday last; 2 cases of enteric fever were admitted during the week, against 5 and 4 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had declined in the four preceding weeks from 127 to 38, further declined last week to 30; of these, 14 occurred in the south, 6 in the central, 5 in the north, 4 in the west, and 1 in the east groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had declined in the five preceding weeks from 1069 to 485, further fell last week to 439, and were 86 below the corrected average.

Different forms of violence caused 56 deaths, concerning all of which inquests were held. Of these 56 deaths, 5 were cases of suicide, while the remaining 51 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 11 by burns or scalds, 2 by poison, 6 by drowning, and 12 (including 11 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3634 births and 2246 deaths were registered, corresponding to annual rates of 32·9 and 20·3 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 5 from diphtheria, and 4 from measles were registered. The fatal cases of whooping-cough included 6 in West Ham, 3 in East Ham, and 3 in Tottenham sub-districts. Two deaths from diphtheria were returned in Uxbridge and 2 from measles in Edgware sub-districts.

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Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during January will be found on pages 65-66.

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## METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·78 ins.; the highest reading was 30·17 ins. on Monday evening and the lowest 29·21 ins. on Saturday afternoon. The mean temperature of the *air* was 35°·9, and 3°·1 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each day of the week, the coldest day being Wednesday. The general direction of the *wind* was E., and the horizontal movement of the air averaged 10·0 miles per hour, which was 3·1 miles below the average in the corresponding weeks of 16 years. *Rain* fell on Friday and Saturday to the aggregate amount of 0·88 of an inch. The duration of registered bright sunshine in the week was 31·2 hours, against 27·4 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of JANUARY 1890; according to their returns 161,955,888 gallons or 735,840 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 213 gallons (96·8 decalitre), being rather less than a *ton* by weight, to each house, and, assuming 7·8 persons to each house, 27·4 gallons (12·4 decalitre) to each person, against 26·9 gallons in January 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	JANUARY. 1889.	JANUARY. 1890.	JANUARY. 1889.	JANUARY. 1890.
<b>TOTAL SUPPLY . . .</b>	<b>747,067</b>	<b>758,626</b>	<b>156,769,477</b>	<b>161,955,888</b>
From Thames . . . . .	359,910	365,776	76,854,783	82,666,662
From Lea and from other Sources . . .	387,157	392,850	79,914,694	79,289,226
<b>THAMES.</b>				
Chelsea . . . . .	34,806	35,226	8,814,086	9,171,764
West Middlesex . . . . .	71,095	72,562	14,087,905	14,750,282
Southwark and Vauxhall . . . . .	110,483	111,794	21,204,798	23,389,536
Grand Junction . . . . .	55,138	55,905	16,456,594	16,658,380
Lambeth . . . . .	88,388	90,289	16,291,400	18,696,700
<b>LEA AND OTHER SOURCES.</b>				
New River . . . . .	151,933	153,138	29,057,000	28,451,000
East London . . . . .	163,636	166,369	39,569,152	39,451,437
Kent . . . . .	71,588	73,343	11,288,542	11,386,789

*Note.*—The Return for January 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,559 houses, and of 5,186,411 gallons of water supplied daily.

## ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JANUARY.

*Water-analysis Laboratory, The Yews, Reigate,  
8th February, 1890.*

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of January.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0·5, Tottenham 1·1, Colne Valley 1·6, New River 2·7, East London 3·9, Lambeth 4·4, Chelsea 4·5, West Middlesex 4·6, Southwark 4·9, and Grand Junction 5·0.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was much inferior in quality to that delivered at the close of last year. The heavy rains in the early part of the month washed much polluting matter into the river and taxed the filters of the Companies severely. Nevertheless, in every case, the water was delivered clear and efficiently filtered.

The water obtained chiefly from the River Lea by the New River and East London Companies was also inferior to that delivered in December, but still superior to the best of the Thames derived waters. It was also efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health are unaffected by floods and were of their usual high degree of organic purity, the Kent Company's supply being again especially distinguished in this respect. All these waters were clear and bright. That of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing.





CITIES AND BOROUGH.	POPULATION estimated to the middle of the year 1860.*	Registered during the Week ending 16th Feb., 1860.			The Deaths registered in the Week include										TEMPERATURE OF THE AIR.										RAINFALL.		CITIES AND BOROUGH.
		Births.	Deaths.	1860.	Deaths from										Annual Rate per 1000, corresponding to the Week's Deaths					Mean.					In Inches.	In Cent.	
					Infants under 1 Year of Age.	Persons aged 1 to 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Causes.	From Diseases in Cols. 6-12.	Highest.	Lowest.	Fahrenheit.	Centigrade.				
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.		
28 TOWNS	9,715,559	6103	4723	899	1183	-	49	53	67	189	31	30	140	291	893	118	25·3	2·2	47·5	22·5	35·4	1·89	0·44	1·12	- 28 TOWNS.		
LONDON	4,421,661	2793	1809	352	471	-	21	14	39	115	13	6	56	137	437	21	21·3	2·5	44·5	27·7	35·9	2·17	0·88	2·94	LONDON.		
BRIGHTON	123,650	76	54	6	14	-	-	-	-	3	-	-	4	4	13	1	22·8	1·3	45·0	30·8	35·8	2·11	1·41	3·68	BRIGHTON.		
PORTSMOUTH	142,952	90	63	11	18	-	-	-	-	1	1	-	2	2	12	-	23·0	0·7	-	-	-	-	-	-	PORTSMOUTH.		
NORWICH	86,352	74	44	10	19	-	-	-	-	-	-	-	-	3	4	1	34·4	0·0	-	-	-	-	-	-	NORWICH.		
PLYMOUTH	78,780	65	52	6	21	-	-	-	-	-	-	-	-	1	4	-	24·1	0·0	47·5	31·5	38·4	3·56	0·14	0·36	PLYMOUTH.		
BRISTOL	232,248	135	167	19	52	-	2	1	-	10	-	-	5	7	25	3	27·5	2·9	44·3	23·5	33·8	1·00	0·16	0·41	BRISTOL.		
WOLVERHAMPTON	88,406	51	53	12	15	-	-	-	1	2	1	1	1	1	8	1	33·1	3·7	41·9	24·5	32·8	0·44	0·56	1·42	WOLVERHAMPTON.		
BIRMINGHAM	461,805	292	271	40	85	-	7	5	1	4	1	-	5	12	62	9	30·6	2·0	-	-	-	-	-	-	BIRMINGHAM.		
LEICESTER	154,344	81	73	23	17	-	-	-	1	1	-	1	2	10	11	2	24·7	1·0	-	-	-	-	-	-	LEICESTER.		
NOTTINGHAM	244,909	125	113	21	31	-	-	-	-	2	1	3	4	6	20	5	24·1	1·3	42·1	28·7	35·7	2·06	0·11	0·23	NOTTINGHAM.		
DERBY	100,871	58	42	9	17	-	1	-	-	-	-	-	1	3	10	-	21·7	1·0	-	-	-	-	-	-	DERBY.		
BIRKENHEAD	105,049	75	48	7	14	-	-	-	-	-	-	-	-	1	6	-	23·8	1·5	-	-	-	-	-	-	BIRKENHEAD.		
LIVERPOOL	613,453	333	365	7	63	-	12	11	13	1	2	14	19	72	20	37	31·0	3·7	39·9	29·3	34·3	1·28	0·15	0·38	LIVERPOOL.		
BOLTON	115,816	86	75	10	13	-	1	1	2	6	1	3	2	4	11	2	33·8	6·3	-	-	-	-	-	-	BOLTON.		
MANCHESTER	379,487	289	281	53	57	-	2	4	4	8	2	4	10	27	70	10	38·6	3·3	-	-	-	-	-	-	MANCHESTER.		
SALFORD	242,509	130	121	23	18	-	1	3	4	6	3	3	1	5	16	5	26·0	4·3	-	-	-	-	-	-	SALFORD.		
OLDHAM	146,716	68	87	20	22	-	1	2	-	-	-	-	-	-	4	4	30·9	0·7	-	-	-	-	-	-	OLDHAM.		
BLACKBURN	123,553	90	55	12	15	-	-	-	-	-	-	-	1	4	5	4	23·2	0·8	-	-	-	-	-	-	BLACKBURN.		
PRESTON	116,163	67	56	14	13	-	-	-	-	-	-	-	3	6	7	3	27·8	1·5	-	-	-	-	-	-	PRESTON.		
HUDDESFIELD	94,253	39	47	15	5	-	-	-	-	-	-	-	1	-	1	5	26·0	0·6	-	-	-	-	-	-	HUDDESFIELD.		
HALIFAX	82,034	45	42	10	14	-	-	-	1	-	-	-	1	1	1	-	26·7	1·3	-	-	-	-	-	-	HALIFAX.		
BRADFORD	240,515	126	103	7	23	-	2	-	-	-	-	-	1	2	2	3	22·3	0·7	40·8	31·2	35·6	2·00	0·13	0·33	BRADFORD.		
LEEDS	363,719	245	210	41	47	-	-	-	-	3	2	1	2	6	21	1	30·1	1·3	-	-	-	-	-	-	LEEDS.		
SHEFFIELD	332,837	227	174	32	46	-	-	-	-	-	-	-	2	3	3	14	27·3	1·1	-	-	-	-	-	-	SHEFFIELD.		
HULL	213,833	139	103	18	31	-	-	-	-	2	1	-	2	3	10	3	25·1	2·2	43·0	27·0	36·2	2·33	0·69	1·75	HULL.		
SUNDERLAND	136,506	89	72	21	17	-	-	-	-	1	2	-	-	4	4	12	27·5	1·5	-	-	-	-	-	-	SUNDERLAND.		
NEWCASTLE	162,987	117	88	15	18	-	-	-	-	1	1	-	7	10	18	3	28·2	1·9	40·0	32·0	33·5	1·94	0·18	0·46	NEWCASTLE.		
CARDIFF	117,012	98	55	20	7	-	-	-	-	-	-	1	6	10	7	3	24·5	1·8	-	-	-	-	-	-	CARDIFF.		
EDINBURGH	271,135	146	121	19	23	-	18	1	4	9	-	4	3	?	22	28	23·3	6·9	42·1	24·6	33·1	0·61	0·00	0·00	EDINBURGH.		
GLASGOW	530,208	319	331	63	61	-	12	2	2	13	4	1	13	?	42	42	32·5	2·3	41·7	25·0	33·8	1·00	0·16	0·41	GLASGOW.		
DUBLIN	353,082	175	256	44	77	-	5	-	-	1	5	1	5	4	61	44	37·8	1·8	45·5	26·7	37·2	2·80	0·12	0·30	DUBLIN.		

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the SEVENTH Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2659	2841	2674	2732	2649	2526	2849	2612	2569	2511	2903·0	2793
Males . .	1346	1402	1367	1354	1363	1268	1512	1325	1298	1334	1479·6	1461
Females .	1313	1439	1307	1378	1286	1258	1337	1287	1271	1177	1423·4	1332
<b>TOTAL Deaths</b>	2016	1564	2188	1525	1528	1497	2035	1560	1659	1516	1866·7	1809
Males . .	1007	852	1065	766	788	765	1023	803	841	744	943·7	904
Females .	1009	712	1123	759	740	732	1012	757	818	772	923·0	905

\* The numbers in this column are the average weekly numbers in the seventh weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.
<b>TOTAL Births</b>	2517	2321	2270	2535	2513	1815	2961	2318	2714	2510	2699	2707	2793
<b>TOTAL Deaths</b>	1375	1448	1683	1768	1816	1690	2371	2747	2720	2227	1849	1749	1809
Ages at Birth													
{ 0–20 years	660	647	718	719	723	651	834	939	909	775	703	714	763
{ 20–40 "	176	184	196	227	216	220	346	367	450	349	282	238	218
{ 40–60 "	259	266	294	312	348	332	541	670	666	510	369	334	357
{ 60–80 "	222	292	392	418	424	396	552	640	576	503	390	363	390
{ 80 years & upwards	55	59	88	92	105	91	98	131	119	90	105	100	81
Deaths													
{ Under 1 year	335	333	353	375	364	326	398	430	415	386	350	372	352
{ 1–5 "	233	227	265	247	261	232	310	375	344	294	250	254	306
{ 5–20 "	93	87	95	97	98	93	126	134	150	95	103	88	105
Deaths from Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—
" Measles	33	18	41	30	35	29	36	24	24	21	11	8	21
" Scarlet fever	17	19	24	12	22	14	15	13	22	10	14	19	14
" Diphtheria	30	33	47	35	27	26	32	26	22	22	24	24	39
" Whooping-cough	31	44	47	49	60	67	98	112	104	82	67	91	115
" Typhus	—	—	—	—	1	2	—	—	—	1	—	—	—
" Enteric fever	22	15	8	15	12	13	12	11	14	10	9	2	12
" Simple Cont <sup>d</sup> fever	2	1	2	—	—	—	—	1	1	—	—	—	1
" Diarrhoea and Dysentery	17	12	12	14	13	19	10	12	6	14	9	4	6
" Cholera	—	—	—	—	—	—	—	—	—	—	—	—	—
" all the above- mentioned Diseases	152	142	181	155	170	170	203	199	193	160	134	148	208
" Dis. of Respira- tory System	328	345	432	552	518	467	843	1069	1010	736	550	485	439
" Phthisis	169	183	161	182	161	180	247	267	312	239	220	209	215
" Dis. of Circula- tory System	113	126	165	163	189	158	222	275	209	193	116	154	143
Violent Deaths	57	53	56	55	69	47	91	55	65	60	62	58	56
Inquest Cases	114	113	128	124	156	121	195	192	171	142	127	125	137
Deaths in Public Institutions	314	336	358	422	419	400	494	534	626	491	470	401	437
TEMPERATURE OF THE AIR													
Mean	44·9	37·6	32·1	38·1	43·5	39·8	32·3	47·6	45·5	42·7	42·9	37·1	35·9
Mean of Highest readings	43·2	43·4	35·3	42·5	47·3	44·0	36·7	52·4	50·6	48·4	43·3	42·7	41·7
Mean of Lowest readings	41·3	32·0	27·8	31·9	38·1	35·2	28·5	43·0	39·4	36·9	38·2	32·0	30·8
Humidity of the Air	94	84	85	92	94	90	97	89	86	84	90	89	87
Rain-fall in inches	0·13	0·32	0·23	0·23	0·33	0·61	0·11	0·40	0·13	0·77	0·73	0·05	0·88
Registered Sunshine (in hours)	0·0	5·9	8·4	4·4	2·1	3·2	5·0	10·1	7·3	14·9	8·9	9·5	31·2

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Morrisfield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotham, Wrotham; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Harrop, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIlainsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the SEVENTH Week of the Year 1890.

USES OF DEATH.	Corrected Averages for the 7th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 15th February 1890.								CAUSES OF DEATH.	Corrected Averages for the 7th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 15th February 1890.							
		Deaths of Persons of the Ages										Deaths of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
			0-1.	1-5.	5-20.								0-1.	1-5.	5-20.				
L CAUSES - -	1886-7	1809	352	306	105	218	357	390	81	Diseases of Organs of Special Sense † - -	1-5	2	1	-	1	-	-	-	-
all- { Vaccinated † - - -	13-4	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	127-8	143	2	3	9	14	51	55	9
ox { Unvaccinated - - -		-	-	-	-	-	-	-	-	Croup - - - - -	14-9	13	-	10	3	-	-	-	-
No Statement - - -		-	-	-	-	-	-	-	-	• Bronchitis - - -	337-1	283	59	47	2	9	42	104	20
asles - - - - -	31-6	21	5	15	1	-	-	-	-	Pneumonia - - -	122-4	91	14	32	4	5	19	16	1
et Fever - - - -	27-0	14	-	10	3	1	-	-	-	Pleurisy - - - -	6-2	8	1	-	2	2	1	2	-
hus - - - - -	0-7	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	44-7	44	8	10	1	2	9	12	2
eping Fever † - -	0-0	-	-	-	-	-	-	-	-	Dentition † - - -	17-7	20	11	9	-	-	-	-	-
enza - - - - -	0-2	30	4	3	-	3	12	7	1	Quinsy, Sore Throat † -	1-6	3	-	1	1	-	-	1	-
oping-cough - -	97-8	115	45	67	3	-	-	-	-	Enteritis - - - -	7-5	8	3	-	-	1	2	3	-
theria - - - -	17-1	39	-	31	7	1	-	-	-	Peritonitis - - - -	6-7	9	2	1	-	-	3	3	-
ple Continued and -	2-1	1	-	1	-	-	-	-	-	Diseases of Liver - -	28-2	33	4	-	2	2	16	8	1
-defined Fever -	16-4	12	-	-	5	6	1	-	-	Other Diseases of Digestive System -	31-2	25	4	1	5	3	3	8	1
erie Fever - - -	0-3	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - - -	3-0	1	-	-	1	-	-	-	-
era - - - - -	13-8	6	2	-	1	-	-	2	1	Diseases of Urinary System - - -	43-1	46	-	1	2	6	12	19	6
rhoea, Dysentery -	0-5	-	-	-	-	-	-	-	-	Diseases of Generative System - - -	6-0	7	-	-	1	2	3	1	-
ittent Fever† - -	0-0	-	-	-	-	-	-	-	-	Accidents of Childbirth -	5-2	5	-	-	-	5	-	-	-
rophobia - - -	0-0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - -	8-7	11	-	1	5	1	2	2	-
aders - - - - -	0-0	-	-	-	-	-	-	-	-	Diseases of Integumentary System - - -	7-0	2	-	-	-	-	1	1	-
ox and Effects of Vaccination † - -	0-3	-	-	-	-	-	-	-	-	VIOLENT DEATHS.‡									
ereal Affections -	10-1	11	6	2	-	2	1	-	-	(ACCIDENT.)									
ipelas - - - -	6-7	6	2	-	1	1	-	2	-	Fracture and Contusion -	21-8	17	-	1	5	1	6	4	-
mia and Septicæmia †	1-7	4	1	-	-	1	2	-	-	Gunshot Wound - - -	0-0	-	-	-	-	-	-	-	-
peral Fever - - -	7-2	4	-	-	-	3	1	-	-	Cut, Stab - - - - -	0-2	-	-	-	-	-	-	-	-
Zymotic Diseases †	2-3	2	1	1	-	-	-	-	-	Burn and Scald - - -	7-6	11	-	4	-	2	2	3	-
ish - - - - -	2-1	5	5	-	-	-	-	-	-	Poison - - - - -	2-1	2	-	1	-	1	-	-	-
rus and other Para- cal Diseases - -	0-4	1	-	-	-	1	-	-	-	Drowning - - - - -	4-0	6	-	-	1	2	3	-	-
vation, Want of -	2-5	-	-	-	-	-	-	-	-	Suffocation - - - -	16-2	12	11	-	1	-	-	-	-
ast-milk † - - -	-	-	-	-	-	-	-	-	-	Otherwise - - - - -	2-4	3	-	-	1	2	-	-	-
holism - - - -	3-6	6	-	-	-	-	5	1	-	(HOMICIDE.)									
umatic Fever, {	7-2	6	-	-	2	2	1	1	-	Murder & Manslaughter	1-5	-	-	-	-	-	-	-	-
umatism of Heart†	2-1	3	-	-	-	-	1	1	1	(SUICIDE.)									
umatism † - - -	4-3	3	-	-	-	-	1	2	-	Gunshot Wound - - -	0-2	1	-	-	-	1	-	-	-
ota † - - - - -	5-9	5	-	5	-	-	-	-	-	Cut, Stab - - - - -	1-0	1	-	-	-	-	-	-	-
er - - - - -	50-9	63	-	-	1	6	35	25	1	Poison - - - - -	1-3	1	-	-	-	1	-	-	-
s Mesenterica -	24-5	21	14	5	2	-	-	-	-	Drowning - - - - -	1-5	1	-	-	-	-	-	1	-
roular Meningitis -	29-9	24	9	10	5	-	-	-	-	Hanging - - - - -	2-2	1	-	-	-	1	-	-	-
isis - - - - -	179-2	215	-	-	17	108	83	7	-	Otherwise - - - - -	0-5	-	-	-	-	-	-	-	-
ula, Tuberculosis -	18-0	19	4	8	5	1	-	1	-	(EXECUTION.)									
r Constitutional Diseases † - - -	9-1	15	-	-	-	3	7	4	1	Hanging - - - - -	0-0	-	-	-	-	-	-	-	-
nature Birth - -	37-4	37	37	-	-	-	-	-	-	OTHER CAUSES † - -	65-4	47	41	2	-	-	2	2	-
etasis † - - - -	3-1	-	-	-	-	-	-	-	-										
enital Malforma- tions - - - -	8-4	4	4	-	-	-	-	-	-										
age - - - - -	62-9	61	-	-	-	-	-	33	28										
ery - - - - -	43-3	47	1	-	1	2	13	28	2										
psy - - - - -	8-8	8	-	-	-	5	-	3	-										
ulsions - - - -	53-5	49	39	10	-	-	-	-	-										
Diseases of Brain & Nervous System	105-3	90	12	14	6	11	15	26	6										

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9-046 per cent. for increase of population. The ten years average could not be correctly ascertained, the average for the eight years 1834-9 has been used. These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When official attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical man, the case is returned under the heading "no statement." The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, laughter, or suicide. All such cases are classed under "accident or negligence."



TABLE \*. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																					
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths from															In- quest Cases.	Deaths in Public Institutions.	Un- certified Causes.	
					Deaths of	Deaths from																	
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euterie (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.							
LONDON		3,815,704	2793	1809	352	471	-	21	14	39	115	-	12	1	6	56	137	437	21				
West Districts		698,633	420	295	51	80	-	5	2	7	11	-	1	-	1	7	16	95	3				
North Districts		905,947	620	362	63	121	-	6	2	8	16	-	2	-	1	6	21	95	2				
Central Districts		262,288	159	125	24	27	-	2	1	1	3	-	1	-	-	10	19	30	1				
East Districts		692,738	567	370	77	76	-	6	1	12	27	-	2	-	3	11	40	97	-				
South Districts		1,265,148	1027	656	137	167	-	2	7	11	53	-	6	1	1	22	41	119	15				
METROPOLITAN ASYLUM Hos- PITALS OUTSIDE REGISTRATION LONDON		-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-				
West Districts.																							
St. Mary Paddington WHH G.J. & W.M.		69888	42	25	2	2	-	2	-	3	2	-	-	-	-	-	2	5	-				
St. John Paddington H - - G.J.		37380	17	9	1	1	-	1	-	-	-	-	-	-	-	1	1	5	-				
Kensington Town W - - W.M.		120141	78	61	8	24	-	-	-	1	2	-	-	-	-	1	3	30	-				
Brompton H - - W.M. & C.		48010	15	15	2	4	-	-	-	-	1	-	-	-	-	2	2	3	-				
St. Peter Hammersmith - - W.M.		7899	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
St. Paul Hammersmith H W.M. & G.J.		64340	59	38	8	7	-	-	-	1	1	-	1	-	1	-	1	4	-				
Fulham W - - W.M. & C.		42900	75	31	12	7	-	-	2	-	2	-	-	-	-	-	6	-	-				
Chelsea South HHH - - D.		30396	21	12	2	2	-	1	-	1	-	-	-	-	-	2	3	-	-				
Chelsea North-west WHHHH - C.		24925	15	24	1	11	-	-	-	-	-	-	-	-	1	2	15	-	-				
Chelsea North-east - - C.		32807	20	8	4	2	-	-	-	1	-	-	-	-	-	1	2	-	-				
May Fair WW - - G.J.		80353	4	13	-	6	-	1	-	-	-	-	-	-	-	-	-	9	-				
Belgrave WHH - - C.		69220	23	21	6	2	-	-	-	-	-	-	-	-	-	-	-	7	-				
St. John Westminster HHH - - C.		35496	28	15	2	5	-	-	-	-	-	-	-	-	-	-	-	2	-				
St. Markaret Westminster H - C.		24679	4	13	2	3	-	-	-	2	-	-	-	-	-	1	1	4	1				
St. James Westminster WHH N.R. & G.J.		29941	11	8	-	4	-	-	-	-	-	-	-	-	-	-	-	1	-				
St. Anne Soho HHHHHH - N.R.		16808	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-				
North Districts.																							
All Souls Marylebone HHHHH W.M.		26759	15	13	-	5	-	-	-	-	-	-	-	-	-	1	2	6	-				
Canvishid Square HHHH - W.M.		14891	6	6	1	-	-	-	-	1	-	-	-	-	-	-	-	2	-				
Rectory Marylebone WH G.J. & W.M.		24909	15	14	5	4	-	-	-	-	-	-	-	-	-	-	1	5	1				
Gray's Inn Lane HHH G.J. & W.M.		21118	28	7	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-				
St. Mary Marylebone HHH - W.M.		33700	21	11	2	2	-	-	-	-	1	-	-	-	-	-	-	-	-				
Christchurch Marylebone HH - W.M.		33633	17	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-				
St. John Marylebone H - - W.M.		33633	17	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-				
Hampstead W - HHHH N.R. & W.M.		45452	30	18	4	3	-	1	2	1	-	1	-	-	1	4	5	-	-				
Regent's Park Pinneras H - W.M.		39115	22	14	3	4	-	-	-	-	2	-	-	-	-	-	1	-	-				
Tottenham-court WHHHH N.R. & W.M.		27728	15	24	4	5	-	-	-	2	3	-	-	-	-	-	-	15	-				
Gray's Inn Lane HHH - N.R.		30247	10	9	1	2	-	-	-	1	-	-	-	-	-	-	-	1	2				
Somer's Town H - - N.R.		34369	18	14	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-				
Camden Town WH - - N.R.		17811	12	20	2	15	-	-	-	1	-	-	-	-	-	-	-	18	-				
Kentish Town W - - N.R.		67487	63	24	5	6	-	1	-	-	-	-	-	-	-	-	2	7	-				
Upper Holloway WWH - - N.R.		67946	51	44	6	16	-	1	-	1	3	-	-	-	-	3	4	17	-				
Islington South-west HH - N.R.		109976	67	38	9	10	-	-	-	-	-	-	-	-	-	-	1	-	-				
Islington South-east - - N.R.		61826	46	18	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-				
Highbury H - - N.R.		52048	46	17	2	6	-	3	-	1	-	-	-	-	1	-	-	-	-				
Stoke Newington H - - N.R.		22781	13	6	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
Stamford Hill - - E.L.		9277	10	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-				
West Hackney H - - N.R.		37610	26	7	1	3	-	-	-	-	-	-	-	-	-	-	-	1	-				
Hackney W - - E.L. & N.R.		76911	57	40	5	19	-	1	1	1	1	1	1	-	1	1	15	1	-				
South Hackney - - E.L.		39883	52	8	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-				
Central Districts.																							
St. George Bloomsbury - - N.R.		16681	1	5	1	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-			
St. Giles South WH - - N.R.		14864	17	14	2	3	-	-	-	-	-	-	-	-	-	-	1	3	-				
St. Giles North - - N.R.		13837	9	4	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-				
St. Martin-in-the-Fields HH N.R. & C.		17509	8	6	1	1	-	-	-	-	-	-	-	-	-	1	2	1	-				
St. Mary-le-Strand H - - N.R.		7515	6	5	-	3	-	1	-	-	-	-	-	-	-	1	1	2	-				
St. Clement Dances H - - N.R.		8559	3	4	1	1	-	-	-	-	-	-	-	-	-	1	1	2	-				
Strand Union Workhouse, Edmonton w.		-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-				
St. Geo.-the-Martyr HHHHHH N.R.		16671	9	11	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-				
St. Andrew Eastern W - - N.R.		10706	4	3	1	1	-	-	-	-	-	-	-	-	-	1	1	3	-				
Saffron Hill H - - N.R.		6593	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-				
St. James Clerkenwell - - N.R.		17515	11	11	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-				
Amwell Clerkenwell - - N.R.		19281	14	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Pentonville - - N.R.		14773	11	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Goswell-street - - N.R.		17506	13	5	2	2	-	-	-	-	1	-	-	-	-	1	2	-	-				
Old-street H - - N.R.		11541	18	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-				
City-road HHL - - N.R.		18628	16	7	2	2	-	-	-	-	-	-	1	-	-	-	2	1	-				
Whitecross-street - - N.R.		9217	3	6	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-				
Finsbury - - N.R.		7463	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-				
Holborn Union Workhouse, Mitcam w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
St. Botolph H - - N.R. & E.L.		11174	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-				
Cripplegate - - N.R.		7193	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
St. Sepulchre H - - N.R.		5358	-	10	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-				
St. Bride W - - N.R.		8396	3	4	1	-	-	-	-	1	1	-	-	-	-	3	3	10	-				
Allhallows Barking - - N.R.		13666	4	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-				
Broad Street H - - N.R.		5652	2	3	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-				

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>P</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment; Companies, which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
Saturday, 15th February, 1890.

REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	The DEATHS registered in the Week include												
				Deaths of Infants under 1 Year of Age.	Deaths from											
					Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.
EAST DISTRICTS.																
Holywell Shoreditch	N.R. & E.L.	7376	3	4	-	1	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	HL*	14967	9	6	1	2	-	-	-	-	-	-	-	-	4	2
Hoxton New Town w	N.R.	29937	20	31	6	13	-	1	-	-	1	-	-	-	2	10
Hoxton Old Town	N.R.	28036	27	11	7	1	-	-	-	1	4	-	-	-	2	9
Langerston WH	N.R. & E.L.	46275	36	26	4	3	-	-	-	-	-	-	-	-	-	-
Bethnal Green North H	N.R.	51157	36	19	5	3	-	1	-	1	3	-	-	-	1	-
Bethnal Green South	E.L.	34399	31	12	3	4	-	1	-	-	2	-	-	-	-	-
Bethnal Green East WHL*	E.L.	41405	28	19	1	5	-	-	-	3	2	-	-	-	-	6
Spitalfields	E.L. & N.R.	22585	16	8	-	1	-	-	-	-	-	-	-	-	-	-
Mile End New Town W	E.L.	15473	25	14	2	3	-	1	-	-	-	-	-	-	3	7
Whitechapel Church H	E.L. & N.R.	17490	13	26	5	3	-	-	1	1	-	1	-	-	3	20
Woodman's Fields	E.L.	9713	1	3	-	-	-	-	-	-	-	-	-	-	1	-
Oldgate	N.R. & E.L.	6102	8	1	-	-	-	-	-	-	-	-	-	-	-	-
St. George's, North	E.L.	38747	38	13	7	2	-	1	-	-	1	-	-	-	3	-
St. John, St. George East W	E.L.	8410	6	19	1	5	-	-	-	-	-	-	1	-	2	12
Madwell H	E.L. & N.R.	10893	11	11	1	1	-	-	-	1	1	-	-	-	-	7
Knolly	E.L.	16107	8	6	-	-	-	-	-	1	-	-	-	-	-	-
Shimshouse	E.L.	32041	27	14	4	2	-	-	-	-	2	-	1	-	-	-
Mile End Old Town West H	E.L.	37960	27	11	3	2	-	-	-	-	2	-	-	-	2	-
Mile End Old Town East WWH-E.L.	E.L.	67653	64	27	8	8	-	-	-	-	3	-	-	-	3	5
Low L*	E.L.	37074	27	21	9	1	-	-	-	-	2	-	-	-	2	3
Bromley WWH	E.L.	64859	64	51	8	11	-	-	-	1	2	-	-	-	-	7
Poplar WWH	E.L.	55077	44	22	2	4	-	1	-	3	2	-	-	-	2	17
SOUTH DISTRICTS.																
Christchurch Southwark WH	L. & S.	13663	11	8	2	3	-	-	-	-	-	-	-	-	-	1
St. Saviour Southwark	S.	14999	6	2	-	-	-	-	-	-	-	-	-	-	-	-
Cent-road	S. & L.	21381	11	11	1	1	-	-	-	-	-	-	-	-	1	1
Borough-road WH	S. & L.	13953	15	5	1	2	-	-	-	-	3	-	-	-	-	-
London-road HL	L. & S.	21313	23	4	2	-	-	-	-	-	-	-	-	-	-	-
Prinny Newington	S. & L.	26672	25	13	2	3	-	-	1	-	1	-	-	-	1	-
St. Peter Walworth W	S. & L.	29555	47	31	7	7	-	-	-	1	1	-	1	-	1	8
St. Mary Newington	L. & S.	21623	13	10	4	2	-	-	-	-	1	-	-	-	-	-
St. Olave WH	S.	11956	12	18	3	8	-	-	-	-	-	-	-	4	-	-
Leather Market	S. & L.	16300	15	5	-	1	-	-	-	1	-	-	-	-	-	-
St. Mary Magdalen W	S.	13659	18	9	2	3	-	-	-	-	-	-	-	-	-	2
St. James Bermondsey	S.	54682	44	12	4	5	-	-	-	-	-	-	-	-	-	-
Rothenhithe WH	S. & K.	36024	20	19	4	3	-	-	-	1	1	-	-	-	2	6
Vatello-road 1st H	L. & S.	15195	10	2	-	1	-	-	-	-	-	-	-	-	1	-
Vatello-road 2nd H	L. & S.	16351	27	10	7	1	-	-	-	-	-	-	-	-	-	-
Lambeth Church 1st H	L. & S.	19876	12	17	1	2	-	-	-	2	-	-	-	-	2	12
Lambeth Church 2nd WH	L. & S.	38559	42	33	8	13	-	-	-	-	3	-	-	-	1	19
Newington 1st	S. & L.	45232	24	20	3	3	-	-	-	-	1	-	-	-	-	1
Newington 2nd	S. & L.	35332	16	10	4	3	-	-	-	-	-	1	-	-	-	-
Trixton WH	L. & S.	62837	39	22	3	5	-	-	2	-	2	-	2	-	1	1
Forwood W	L.	19017	27	8	2	1	-	-	-	-	2	-	-	-	-	-
East Battersea	S.	54675	44	27	4	5	-	1	1	-	4	-	-	-	2	3
West Battersea WWH	S.	55387	63	32	4	7	-	-	-	-	5	-	-	-	1	12
Clapham H	S.	36380	22	6	-	3	-	-	-	-	-	-	1	-	-	-
Vandsworth WHL	S.	28004	42	25	5	4	-	-	1	1	-	-	1	-	1	2
Putney	S.	18235	16	8	2	3	-	-	-	-	1	-	-	-	-	-
Streatham	L.	25553	30	19	5	7	-	-	-	-	2	-	1	-	-	-
Dulwich	L. & S.	5590	-	2	1	1	-	-	-	-	-	-	-	-	-	-
Amberwell W & L*	S. & L.	69104	44	48	6	20	-	-	1	5	-	-	-	-	2	16
Cockham W	S. & L. & K.	71089	63	37	7	11	-	-	-	4	-	-	-	-	3	2
St. George Camberwell	L. & S.	60810	41	20	8	4	-	-	-	1	4	-	-	-	1	-
St. Paul Deptford WH	K.	76752	54	45	13	6	-	-	2	1	6	-	-	-	1	4
St. Nicholas Deptford	K.	7901	5	2	1	1	-	-	-	-	-	-	-	-	-	3
Greenwich West H	K.	21972	9	10	1	-	-	1	-	1	-	-	-	-	1	1
Greenwich East WHH	K.	24603	24	21	5	7	-	-	-	-	-	-	-	-	2	4
Waltham H	K.	5048	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Lee H	K.	21559	12	6	-	4	-	-	-	-	-	-	-	-	1	-
Woolwich WH	K.	19865	16	16	3	5	-	-	-	1	-	-	-	-	-	-
Woolwich Arsenal WH	K.	26076	16	6	2	2	-	-	-	-	-	-	-	-	1	-
Woolwich Arsenal WH	K.	10930	9	5	1	1	-	-	-	1	-	-	-	-	-	-
Woolwich Dockyard	K.	17617	12	7	1	3	-	-	-	-	1	-	-	-	-	-
Woolwich Arsenal HH	K.	19045	5	16	7	2	-	-	-	1	2	-	-	-	1	-
Woolwich Arsenal WH	K.	14009	7	4	-	1	-	-	-	-	-	-	-	-	-	-
Woolwich Arsenal WH	K.	19241	30	24	7	1	-	-	1	1	5	-	-	-	1	4
Metropolitan Asylum Hospitals:																
Dartford w	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Winchmore Hill w	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-

The following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page):—

Marylebone Infirmary in Kensington Town sub-district.	Stepney Workhouse in Bromley sub-district.
Central London Sick Asylum in Tottenham Court sub-district.	Poplar & Stepney Sick Asylum
Holborn Infirmary in Upper Holloway sub-district.	Westminster Union Industrial School in West Battersea sub-district.
London City Workhouse	St. Saviour's Infirmary in Camberwell sub-district.
Holborn	Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.
Whitechapel	Strand and Holborn Workhouses outside Registration London.
London City	



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION: BIRTHS and DEATHS registered during the Week ending Saturday, 15th February, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from									Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.				
LONDON—OUTER RING		370,924	950,957	841	437	91	124	-	4	-	5	23	1	1	7	20	65		
30: 1	Carshalton <i>wL</i> -	12228	21118	10	24	2	4	-	-	-	-	1	-	-	-	-	12		
2	Epsom (part of)* <i>WwH</i>	9971	10710	8	4	-	3	-	-	-	-	-	-	-	-	-	2		
37: 1	Godstone (part of)* -	2754	1235	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
38: 1	Croydon <i>WwHHL</i> -	20851	101241	79	33	10	6	-	-	-	-	1	1	-	-	1	6		
2	Mitcham <i>w†</i> -	11697	17932	13	2	-	1	-	-	-	-	-	-	-	-	-	-		
39: 1	Wimbledon <i>HHH</i> -	3220	15850	19	3	-	2	-	-	-	-	-	-	-	-	-	-		
2	Kingston <i>WHH</i> -	8549	36354	24	17	2	8	-	-	-	-	-	-	-	-	1	5		
3	Esher (part of)* -	6601	9221	5	4	-	4	-	-	-	-	-	-	-	1	1	-		
4	Hampton <i>H</i> -	4573	13539	10	10	3	3	-	-	-	-	-	-	-	-	-	-		
40: 1	Richmond <i>WH</i> -	2272	21302	15	9	3	4	-	-	-	-	1	-	-	1	2	1		
2	Mortlake -	2941	12331	7	7	3	2	-	-	-	-	-	-	-	-	1	-		
41: 1	Bromley (pt. of)* <i>HH</i>	15689	31142	23	8	3	3	-	-	-	-	-	-	-	-	-	1		
2	Chislehurst (pt. of)* <i>WHH</i>	14307	15844	5	9	1	5	-	-	-	-	-	-	-	-	-	2		
42: 1	Bexley <i>H</i> -	18437	24134	24	5	1	2	-	-	-	-	-	-	-	-	-	-		
2	Dartford ( <i>Ww</i> , pts. of)*	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
124: 1	Sunbury <i>w</i> -	11055	11685	7	1	-	-	-	-	-	-	-	-	-	-	-	-		
2	Staines <i>W</i> -	13277	12039	10	2	-	-	-	1	-	-	1	-	-	-	-	-		
125: 1	Hillingdon <i>WHH</i> -	6029	10802	4	3	1	1	-	-	-	-	-	-	-	-	-	-		
2	Uxbridge -	6178	3225	3	5	2	-	-	-	-	2	-	-	-	-	-	-		
3	Hayes <i>wHL</i> -	14587	11528	8	15	2	-	-	-	-	-	-	-	-	-	-	13		
126: 1	Isleworth <i>WHH</i> -	7003	22727	16	6	2	1	-	-	-	-	-	-	-	-	-	-		
2	Twickenham <i>H</i> -	2477	12479	6	4	-	2	-	-	-	1	-	-	-	1	1	-		
3	Brentford <i>HL</i> -	4345	27649	23	12	2	5	-	-	-	1	-	-	-	-	2	-		
4	Chislewick -	1340	15975	22	7	-	-	-	-	-	-	1	-	-	-	-	-		
5	Acton <i>wH</i> -	6083	22376	11	7	4	1	-	-	-	-	-	-	-	-	-	-		
127: 1	Harrow <i>H</i> -	13809	12796	7	5	-	2	-	-	-	-	-	-	-	-	1	-		
2	Edgware <i>H</i> -	6994	3749	4	3	-	-	-	2	-	-	-	-	-	-	-	-		
3	Willesden -	4383	27433	39	21	4	5	-	-	-	-	1	-	-	-	1	-		
4	Hendon <i>W</i> -	8382	10484	10	8	1	2	-	-	-	-	-	-	-	1	2	3		
137: 1	Bushey -	9331	6621	4	1	1	-	-	-	-	-	-	-	-	-	1	-		
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
128: 1	South Mimms -	15599	6391	11	3	-	1	-	-	-	-	-	-	-	-	-	-		
2	Barnet -	5433	10092	3	11	2	9	-	-	-	-	1	-	-	-	-	7		
3	Finchley <i>HL</i> -	4688	17615	11	11	1	4	-	-	-	-	-	-	1	-	-	4		
135: 1	Hatfield (part of)* -	3306	533	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
129: 1	Hornsey <i>H</i> -	3039	37078	21	8	2	1	-	-	-	-	-	-	-	-	-	-		
2	Tottenham <i>H</i> -	4642	46456	62	24	1	6	-	-	-	-	3	-	-	-	2	-		
3	Edmonton <i>Ww†</i> -	7453	23433	26	14	3	4	-	-	-	-	-	-	-	-	1	2		
4	Enfield <i>WH</i> -	12653	19104	18	4	1	2	-	-	-	-	-	-	-	-	-	-		
5	Waltham Abbey -	11017	5963	6	2	1	-	-	-	-	-	1	-	-	-	-	-		
6	Cheshunt -	8490	7735	7	3	1	-	-	1	-	-	-	-	-	-	-	-		
136: 1	Stratford -	882	38606	25	18	6	4	-	-	-	-	1	-	-	1	1	-		
2	West Ham <i>wowwHSH</i>	4055	90847	117	51	15	10	-	-	-	-	6	-	-	-	-	-		
3	East Ham -	3296	10706	19	10	3	1	-	-	-	-	3	-	-	1	1	-		
4	Leyton <i>WwL</i> -	4372	32430	39	20	2	10	-	-	-	-	1	-	-	-	-	7		
5	Walthamstow <i>H</i> -	6520	28869	35	13	3	4	-	-	-	1	-	-	-	1	1	-		
137: 1	Chigwell (part of)* <i>H</i>	11761	9639	3	5	3	1	-	-	-	-	-	-	-	-	-	-		
2	Epping ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
139: 1	Romford (part of)* <i>W</i>	6730	3411	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
2	Ilford -	8493	7645	7	1	-	-	-	-	-	-	-	-	-	-	-	-		
3	Barking Town -	4127	9203	10	3	-	1	-	-	-	-	-	-	-	-	-	-		

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1263); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Nornay in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139: 1, the parish of Dagenham in Romford sub-district.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 15th February, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
WATER LONDON	448,334	5,758,500	20·3	2·2	2246	443	595	-	25	14	44	138	14	7	63	502		
INNER LONDON -	77,410	4,421,661	21·3	2·5	1809	352	471	-	21	14	39	115	13	6	56	437		
OUTER RING -	370,924	1,336,839	17·0	1·3	437	91	124	-	4	-	5	23	1	1	7	65		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,166,390 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
LCUTTA - -	433,210	January 4	-	296	35·6	5	-	-	1	-	88	71†	
OMBAY - -	773,196	" 21	310	389	22·2	3	1	2	2	2	111	42†	
MADRAS - -	398,777	December 20	318	294	38·3	2	3	2	2	2	67	42†	
		27	306	276	35·9	1	5	2	2	2	82	40†	
ARIS - -	2,260,945	February 8	1172	1067	24·5	1	18	-	45*	19	7	34	
RUSSELS - (h 8 Faubourgs.)	471,606	" 8	243	191	21·1	-	5	-	-	2	-	16	
AMSTERDAM -	406,402	" 8	280	177	22·6	-	2	-	2	2	-	-	
ROTTERDAM -	203,486	" 8	163	106	27·0	-	-	-	1	4	-	-	
THE HAGUE -	156,497	" 8	96	64	21·2	-	-	-	-	-	-	-	
COPENHAGEN -	307,000	" 8	188	154	26·2	-	-	-	12	7	1	1	
STOCKHOLM -	228,218	" 1	137	84	19·1	-	-	8	2*	2	-	7	
CHRISTIANIA -	138,300	" 8	59	90	33·8	-	7	1	13	2	1	1	
S. PETERSBURG	924,106	January 25	-	531	30·0	1	24	24	7	2	12	45	
BERLIN - -	1,526,887	" 25	930	670	22·9	-	7	8	32	9	1	46	
LAMBURG(State)	675,276	February 1	437	334	30·3	-	1	2	7*	1	2	64	
BRESLEN - -	269,250	" 1	156	104	20·1	-	-	-	5*	-	-	4	
BRESLAU - -	324,143	" 8	225	178	29·2	-	-	2	8*	3	-	7	
MUNICH - -	298,000	" 1	242	164	29·3	-	5	2	14*	-	1	10	
VIENNA - -	822,176	" 1	524	360	22·8	1	5	-	6	1	2	10	
PRAGUE - -	304,356	" 1	-	184	31·5	-	2	3	7	3	1	5	
JUDA-PESTH -	463,017	" 1	334	297	33·3	-	-	1	10	2	2	25	
TRIESTE - -	160,092	" 8	96	116	37·7	-	1	-	1	2	1	4	
ROME - -	409,692	December 7	301	253	32·2	-	-	1	6	-	20†	14	
TURIN (11 days)-	306,398	January 10	-	-	-	-	-	-	-	-	-	-	
VENICE - -	156,515	February 1	89	131	43·6	16	1	-	4*	1	-	11	
BAIRO - -	374,838	January 23	477	304	42·3	1	-	-	1	5	7	79	
ALEXANDRIA -	231,396	" 23	276	224	50·5	3	-	-	1	-	7	47	
NEW YORK -	1,595,547	" 25	-	872	28·5	-	3	10	22	7	5	11	
BROOKLYN -	852,467	" 25	-	432	26·4	-	2	4	23	1	2	1	
PHILADELPHIA -	1,040,245	" 25	-	552	27·7	-	2	3	5	2	20	1	
BALTIMORE -	500,343	" 25	-	287	27·8	-	11	1	7	2	3	8	
NEW ORLEANS -	254,000	January 11	-	115	23·6	-	-	-	2	-	5	10	
		" 18	-	121	24·9	-	-	-	2	-	5	4	

\* Including deaths from croup.

† Including 25 deaths from cholera in Calcutta, 8 in Bombay, and 1 in each week in Madras.

‡ Including 10 deaths from malarial fever.





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# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

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General Register Office, Somerset House,  
24th February, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25·1 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.		Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.
Birkenhead	18·4	19·4	23·8	19·9	Liverpool -	22·8	27·2	31·0	30·2
Birmingham	26·5	26·1	30·6	27·0	London -	21·8	20·6	21·3	21·8
Blackburn -	27·0	23·2	23·2	30·4	Manchester -	29·3	30·4	38·6	35·3
Bolton -	20·7	20·7	33·8	30·6	Newcastle-on-Tyne	25·9	29·1	28·2	25·9
Bradford -	22·8	23·2	22·3	30·6	Norwich -	21·9	30·6	24·1	26·8
Brighton -	24·5	22·8	22·8	14·8	Nottingham	14·5	19·4	24·1	25·1
Bristol	26·7	34·8	37·5	25·6	Oldham -	21·7	24·9	30·9	33·4
Cardiff -	19·2	22·7	24·5	18·7	Plymouth -	28·5	25·8	34·4	23·8
Derby -	17·1	18·6	21·7	18·6	Portsmouth	20·1	29·9	23·0	24·1
Halifax -	19·1	22·2	26·7	29·2	Preston -	24·3	26·8	27·8	37·7
Huddersfield	23·8	19·9	26·0	24·9	Salford -	21·3	23·0	26·0	28·0
Hull -	23·7	20·5	25·1	23·9	Sheffield -	26·2	23·2	27·3	32·0
Leeds -	24·7	25·5	30·1	29·4	Sunderland	28·6	25·6	27·5	26·0
Leicester -	19·9	16·6	24·7	23·3	Wolverhampton -	23·1	25·6	33·1	33·8

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·4 in Bolton, 1·5 in Salford, 1·5 in Hull, and 2·0 in Bristol; from *scarlet fever*, 1·3 in Sheffield and in Blackburn; and from *measles*, 1·2 in Liverpool. In none of the twenty-eight towns did the death-rate from "*fever*" reach 1·0 per 1000. The 43 deaths from *diphtheria* in these towns included 27 in London, 2 in Liverpool, 5 in Manchester, and 5 in Salford. *Small-pox* caused one death in London, but not one in any of the twenty-seven great provincial towns.

## LONDON.

In LONDON 2702 BIRTHS and 1847 DEATHS were registered. Allowing for increase of population, the births were 225 below, while the deaths exceeded by 13, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20·6 and 21·3 in the two preceding weeks further rose last week to 21·8. During the first eight weeks of the current quarter the death-rate averaged 25·5 per 1000, and was 2·5 above the mean rate in the corresponding periods of the ten years 1880–89; the mean death-rate during the same period in the twenty-seven provincial towns was 25·0 per 1000.

The 1847 deaths included 1 from small-pox, 14 from measles, 13 from scarlet fever, 27 from diphtheria, 103 from whooping-cough, 8 from enteric fever, 1 from an un-defined form of continued fever, 21 from diarrhoea and dysentery, and not

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



one from typhus or from cholera; thus, 188 deaths were referred to these diseases, being 28 below the corrected average weekly number.

One death (of a male, aged 44 years, admitted to the Highgate Small-pox Hospital from High Holborn) from *small-pox* was registered, the corrected average being 10; 5 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of an infant, aged one year, in Poplar, was attributed to chicken-pox. The fatal cases of *measles*, which had been 8 and 21 in the two preceding weeks, declined again last week to 14, and were 25 below the corrected average; 2 belonged to Islington, 2 to St. Luke, and 2 to Greenwich sanitary areas. The deaths from *scarlet fever*, which had been 19 and 14 in the two previous weeks, further declined last week to 13, and were 16 below the corrected average; 2 belonged to Islington and 3 to Hackney sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1247 scarlet fever patients at the end of the week, against numbers declining in the seven preceding weeks from 1609 to 1265; 89 cases were admitted to these hospitals during the week, against 99, 75, and 63 in the three previous weeks. The deaths from *diphtheria*, which had been 24 and 39 in the two preceding weeks, declined again last week to 27, but exceeded the corrected average by 9; 3 (including 2 in Elderfield Road) belonged to Hackney, 4 to Bethnal Green, and 3 (including 2 in Clemence Street) to Stepney sanitary areas. The 103 fatal cases of *whooping-cough* showed a decline of 12 from the high number in the previous week, but exceeded the corrected average by 13; 6 belonged to Pancras, 7 to Islington, 5 to Shoreditch, 10 to Lambeth, 5 to Battersea, 5 to Wandsworth, 5 to Camberwell, and 5 to Greenwich sanitary areas. The deaths attributed to *diarrhoea* and *dysentery*, which had been but 4 and 6 in the two preceding weeks, further rose last week to 21, and exceeded the corrected average by 6.

The deaths referred to *enteric fever*, which had been 9, 2, and 12 in the three preceding weeks, declined again last week to 8, and were 5 below the corrected average; 2 belonged to Poplar sanitary area. The death of a female, aged 28 years, in Battersea, was indefinitely referred to "epidemic febricula." The Metropolitan Asylum Hospitals contained 58 cases of enteric fever and one of typhus on Saturday last; 6 cases of enteric fever were admitted during the week, against 5, 4, and 2 in the three preceding weeks.

The deaths primarily attributed to *influenza*, which had declined in the five preceding weeks from 127 to 30, further declined last week to 24; of these, 10 occurred in the south, 6 in the west, 4 in the north, 2 in the central, and 2 in the east groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had declined in the six preceding weeks from 1069 to 439, rose again last week to 452, but were 33 below the corrected average.

Different forms of violence caused 77 deaths, concerning all but 4 of which inquests were held. Of these 77 deaths, 8 were cases of suicide, and 2 of murder or manslaughter, while the remaining 67 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 7 by burns or scalds, 2 (of a coach-painter and of a labourer at lead-works) by lead-poisoning, 6 by drowning, and 20 (including 19 of infants aged under one year) by suffocation.

#### GREATHER LONDON.

In Greater London 3651 births and 2346 deaths were registered, corresponding to annual rates of 33.1 and 21.2 per 1000 of the estimated population. In the Outer Ring 28 deaths from whooping-cough, 12 from measles, 5 from diphtheria, and 4 from scarlet fever were registered. The fatal cases of whooping-cough included 6 in Stratford, 6 in West Ham, and 3 in Richmond sub-districts. Three deaths from measles were returned both in Staines and in Leyton sub-districts; and 2 fatal cases of scarlet fever occurred in West Ham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.95 ins.; the lowest reading was 29.41 ins. at the beginning of the week and the highest 30.42 ins. at the end of the week. The mean temperature of the *air* was 39° 4, and 0° 3 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on each of the first four, but was below the average on each of the last three days of the week. The general direction of the *wind* was E., and the horizontal movement of the air averaged 10.0 miles per hour, which was 2.4 miles below the average in the corresponding weeks of 16 years. *Rain* was measured on Thursday to the amount of 0.04 of an inch. The duration of registered bright sunshine in the week was 12.4 hours, against 15.7 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 22nd February, 1890.

CITIES AND BOROUGHES.	POPULATION estimated middle of the Year 1880.*	Registered during the Week ending 22nd Feb., 1890.		The Deaths registered in the Week include										Annual Rate per 1000, corresponding to the Week's Deaths		TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGHES.					
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhoid.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Causes of Death.	From All Causes.	From Diseases in Cols. 6-12.	Highest.	Lowest.	Mean.		Centigrade.	Fahrenheit.	In Inches.	In Cents.	
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.		
28 TOWNS	9,715,559	5603	4685	935	1156	1	39	51	43	168	25	44	141	287	875	100	25.1	2.0	51.2	29.5	39.0	38.9	0.38	0.37	- 28 TOWNS.		
LONDON	4,421,661	2702	1847	393	475	1	14	13	27	103	9	21	77	143	434	16	21.8	2.2	50.5	33.8	39.4	4.11	0.04	0.10	LONDON.		
BRIGHTON	123,659	62	35	7	9	-	-	-	-	1	-	-	5	5	3	-	14.8	0.4	47.0	32.3	40.0	4.44	0.04	0.10	BRIGHTON.		
PORTSMOUTH	142,962	123	63	12	23	-	-	-	-	1	-	-	1	3	12	1	24.1	0.7	-	-	-	-	-	-	PORTSMOUTH.		
NORWICH	55,352	72	49	11	22	-	-	-	-	1	-	-	2	4	7	-	26.8	0.5	-	-	-	-	-	-	NORWICH.		
PLYMOUTH	78,780	55	36	8	11	-	-	-	-	1	-	-	1	2	2	-	23.8	1.3	51.2	34.5	44.4	6.89	1.05	2.67	PLYMOUTH.		
BRISTOL	232,248	132	114	21	28	-	-	-	-	9	-	-	2	5	22	1	25.6	2.2	50.0	34.5	40.8	4.89	0.39	0.99	BRISTOL.		
WOLVERHAMPTON	83,406	53	54	12	12	-	-	-	-	2	-	-	2	4	8	3	33.8	1.3	46.9	29.5	36.6	2.56	0.02	0.05	WOLVERHAMPTON.		
BIRMINGHAM	461,885	273	229	35	73	-	1	2	-	3	-	1	8	12	57	4	27.0	0.8	-	-	-	-	-	-	BIRMINGHAM.		
LEICESTER	154,344	92	69	15	13	-	-	1	-	-	-	-	-	5	6	2	23.3	0.3	-	-	-	-	-	-	LEICESTER.		
NOTTINGHAM	244,969	100	118	23	36	-	1	1	1	1	3	1	3	7	16	2	25.1	1.7	47.5	32.6	37.9	3.28	0.46	1.17	NOTTINGHAM.		
DERBY	100,871	54	26	1	11	-	1	-	-	-	-	-	-	1	1	1	19.9	0.0	-	-	-	-	-	-	DERBY.		
BIRKENHEAD	105,049	62	40	13	8	-	-	-	-	-	-	-	-	-	1	1	19.9	0.0	-	-	-	-	-	-	BIRKENHEAD.		
LIVERPOOL	618,463	340	325	63	61	-	14	8	2	11	1	2	11	12	71	23	30.2	3.2	48.0	32.7	39.2	4.00	0.17	0.43	LIVERPOOL.		
LONDON	115,816	62	68	11	13	-	-	-	-	3	-	1	1	3	5	1	30.6	1.8	-	-	-	-	-	-	LONDON.		
MANCHESTER	579,437	237	227	46	62	-	2	-	5	6	1	3	9	21	57	9	35.3	2.3	-	-	-	-	-	-	MANCHESTER.		
SALFORD	242,509	136	120	26	28	-	1	3	5	7	2	5	-	3	18	5	28.0	4.9	-	-	-	-	-	-	SALFORD.		
OLDHAM	146,716	72	94	14	22	-	-	-	-	1	-	1	2	12	2	33.4	1.1	-	-	-	-	-	-	-	OLDHAM.		
BLACKBURN	123,553	85	72	15	10	-	-	-	-	3	1	1	1	2	6	1	30.4	3.4	-	-	-	-	-	-	BLACKBURN.		
PRESTON	105,163	86	76	24	21	-	-	-	-	1	-	2	1	4	3	2	37.7	2.0	-	-	-	-	-	-	PRESTON.		
HUDDESFIELD	54,253	46	45	12	8	-	-	-	-	1	-	1	-	-	5	1	24.9	1.1	-	-	-	-	-	-	HUDDESFIELD.		
HALIFAX	82,654	48	46	15	11	-	-	-	1	1	-	-	1	1	5	2	29.2	1.3	-	-	-	-	-	-	HALIFAX.		
BRADFORD	240,515	116	141	23	41	-	2	2	-	2	1	1	2	4	27	2	30.6	1.7	45.4	31.4	37.5	3.06	0.48	1.22	BRADFORD.		
LEEDS	368,799	166	205	36	50	-	-	4	-	3	-	1	3	14	19	2	29.4	1.1	-	-	-	-	-	-	LEEDS.		
SHEFFIELD	332,537	187	204	47	44	-	2	8	1	2	-	2	6	9	28	8	32.0	2.3	-	-	-	-	-	-	SHEFFIELD.		
HULL	218,883	140	98	22	24	-	-	-	-	6	2	-	-	2	14	5	23.9	2.2	47.0	32.0	37.6	3.11	0.08	0.20	HULL.		
SUNDERLAND	156,206	98	68	12	19	-	-	-	-	-	-	-	3	9	10	1	23.0	0.8	46.0	31.0	38.3	3.50	0.19	0.48	SUNDERLAND.		
NEWCASTLE	162,987	103	81	11	13	-	-	-	-	2	1	-	2	6	15	1	25.9	1.3	44.0	32.0	37.5	3.06	1.26	3.20	NEWCASTLE.		
CARDIFF	117,012	71	42	7	8	-	-	-	-	-	-	-	2	3	7	-	18.7	0.0	-	-	-	-	-	-	CARDIFF.		
EDINBURGH	271,135	138	125	24	32	-	11	2	1	9	3	1	1	?	19	33	24.0	5.2	46.2	23.3	37.5	3.06	0.84	2.13	EDINBURGH.		
GLASGOW	430,208	355	324	56	60	-	9	5	5	16	3	3	12	?	55	41	31.9	4.0	46.2	32.8	38.4	3.56	0.31	0.79	GLASGOW.		
DUBLIN	353,083	198	239	35	62	-	3	-	-	4	6	1	7	5	83	28	35.3	2.1	50.4	22.5	42.1	5.61	0.33	0.84	DUBLIN.		

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the EIGHTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2746	2632	2812	2755	2538	2709	2712	2769	2473	2695	2926·9	2702
Males . .	1432	1348	1449	1385	1266	1406	1402	1363	1208	1341	1489·6	1323
Females . .	1314	1284	1363	1370	1272	1303	1310	1406	1265	1354	1437·3	1379
<b>TOTAL Deaths</b>	1662	1525	1941	1554	1552	1569	1988	1691	1772	1567	1834·3	1847
Males . .	872	817	961	807	817	823	1006	847	874	762	936·3	934
Females . .	790	708	980	747	735	746	982	844	898	805	898·0	913

\* The numbers in this column are the average weekly numbers in the eighth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.
<b>TOTAL Births</b>	2321	2270	2535	2513	1815	2961	2818	2714	2510	2699	2707	2793	2702
<b>TOTAL Deaths</b>	1448	1683	1768	1816	1690	2371	2747	2720	2227	1849	1749	1809	1847
<b>Ages at Death</b>													
0-20 years	647	713	719	723	651	834	939	909	775	703	714	763	753
20-40 "	184	196	227	216	220	346	367	450	349	282	238	218	256
40-60 "	266	294	312	348	332	541	670	666	510	369	334	357	363
60-80 "	292	392	418	424	396	552	640	576	503	390	363	390	374
80 years & upwards	59	88	92	105	91	98	131	119	90	105	100	81	101
<b>Under 1 year</b>	333	353	375	364	326	398	430	415	386	350	372	352	393
1-5 "	227	265	247	261	232	310	375	344	294	250	254	306	259
5-20 "	87	95	97	98	93	126	134	150	95	103	88	105	101
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	-	-	-	-	-	-	1
" Measles	18	41	30	35	29	36	24	24	21	11	8	21	14
" Scarlet fever	19	24	12	22	14	15	13	22	10	14	19	14	13
" Diphtheria	33	47	35	27	26	32	26	22	22	24	24	39	27
" Whooping-cough	44	47	49	60	67	98	112	104	82	67	91	115	103
" Typhus	-	-	-	1	2	-	-	-	1	-	-	-	-
" Enteric fever	15	8	15	12	13	12	11	14	10	9	2	12	8
" Simple Cont'd fever	1	2	-	-	-	-	1	1	-	-	-	1	1
" Diarrhoea and Dysentery	12	12	14	13	19	10	12	6	14	9	4	6	21
" Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-
" all the above-mentioned Diseases	142	181	155	170	170	203	199	193	160	134	148	203	188
" Dis. of Respiratory System	345	432	552	518	467	843	1069	1010	736	550	485	439	452
" Phthisis	183	161	182	161	180	247	267	312	239	220	209	215	218
" Dis. of Circulatory System	126	165	163	189	153	222	275	209	193	116	154	143	162
<b>Violent Deaths</b>	53	56	55	69	47	91	55	65	60	62	58	56	77
<b>Inquest Cases</b>	113	128	124	156	121	195	192	171	142	127	125	137	143
<b>Deaths in Public Institutions</b>	336	358	422	419	400	494	534	626	491	470	401	436	434
<b>TEMPERATURE OF THE AIR</b>													
Mean	37·6	32·1	33·1	43·5	39·8	32·8	47·6	45·5	42·7	42·9	37·1	35·9	39·4
Mean of Highest readings	43·4	35·8	42·5	47·3	44·0	36·7	52·4	50·6	43·4	43·3	42·7	41·7	43·9
Mean of Lowest readings	32·0	27·8	31·9	38·1	35·2	28·5	43·0	39·4	36·9	38·2	32·0	30·8	35·9
<b>Humidity of the Air</b>	84	85	92	94	90	97	89	86	84	90	89	87	89
<b>Rain-fall in inches</b>	0·32	0·23	0·23	0·33	0·61	0·11	0·40	0·13	0·77	0·73	0·05	0·88	0·04
<b>Registered Sunshine (in hours)</b>	5·9	8·4	4·4	2·1	3·2	5·0	10·1	7·3	14·9	8·9	9·5	31·2	12·4

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—E. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.S., F.R.Met.Soc., Bradford; Mr. E. Peak Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the EIGHTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 8th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 22nd February 1890.								Corrected Averages for the 8th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 22nd February 1890.									
		Deaths of Persons of the Ages									Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
			0-1.	1-5.	5-20.							0-1.	1-5.	5-20.						
ALL CAUSES - -	1834.3	1847	393	259	101	256	363	374	101	Diseases of Organs of Special Sense † - -	1.9	2	-	-	2	-	-	-	-	-
Small-pox { Vaccinated† - - - - - Unvaccinated - - - - - No Statement - - - - -	10.1 {	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	131.8	163	2	-	11	23	55	63	8	
Measles - - - - -	83.6	14	4	10	-	-	-	-	-	Croup - - - - -	15.6	11	1	9	1	-	-	-	-	-
Scarlet Fever - - - - -	29.0	13	1	9	2	1	-	-	-	Bronchitis - - - - -	305.2	277	59	51	3	6	43	95	20	
Typhus - - - - -	0.5	-	-	-	-	-	-	-	-	Pneumonia - - - - -	114.0	121	20	32	8	22	29	14	1	
Relapsing Fever † - - - - -	0.0	-	-	-	-	-	-	-	-	Pleurisy - - - - -	6.0	6	-	1	-	1	-	4	-	
Influenza - - - - -	0.2	24	3	-	2	5	5	7	2	Other Diseases of Respiratory System - - -	43.9	37	3	5	1	4	11	8	-	
Whooping-cough - - - - -	90.3	103	40	59	4	-	-	-	-	Dentition † - - - - -	18.1	14	6	8	-	-	-	-	-	
Diphtheria - - - - -	18.0	27	1	16	9	-	1	-	-	Quinsy, Sore Throat † - -	2.3	4	1	1	1	1	-	-	-	
Simple Continued and Ill-defined Fever - - -	1.3	1	-	-	-	1	-	-	-	Enteritis - - - - -	6.8	9	4	2	-	2	1	-	-	
Enteric Fever - - - - -	13.3	8	-	-	7	1	-	-	-	Peritonitis - - - - -	7.2	6	1	-	2	1	-	2	-	
Cholera - - - - -	0.3	-	-	-	-	-	-	-	-	Diseases of Liver - - - - -	30.1	23	2	-	2	3	14	7	1	
Diarrhea, Dysentery - - -	14.7	21	14	2	-	2	1	2	-	Other Diseases of Digestive System - - -	31.7	24	3	-	1	3	9	7	1	
Remittent Fever † - - - - -	0.5	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - - -	2.8	-	-	-	-	-	-	-	-	
Hydrophobia - - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Urinary System - - - - -	39.8	48	2	-	2	4	22	15	2	
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Generative System - - - - -	4.9	15	-	1	-	8	4	1	1	
Cowpox and Effects of Vaccination † - - -	0.0	-	-	-	-	-	-	-	-	Accidents of Childbirth - - - - -	3.9	2	-	-	-	1	1	-	-	
Veneral Affections - - - - -	10.7	14	9	1	-	-	4	-	-	Diseases of Locomotive System † - - - -	7.1	6	-	-	4	1	-	1	-	
Erysipelas - - - - -	4.8	1	-	-	-	-	1	-	-	Diseases of Integumentary System - - - -	5.3	3	1	-	-	-	1	1	-	
Pyæmia and Septicæmia † - -	3.1	3	-	-	-	2	1	-	-	VIOLENT DEATHS.‡										
Puerperal Fever - - - - -	6.7	1	-	-	1	-	-	-	-	(ACCIDENT.)										
Other Zymotic Diseases † - -	2.0	5	1	1	1	1	-	1	-	Fracture and Contusion - - - - -	18.3	26	1	1	-	11	10	2	-	
Thrush - - - - -	2.0	-	-	-	-	-	-	-	-	Gunshot Wound - - - - -	0.1	-	-	-	-	-	-	-	-	
Worms and other Parasitical Diseases - - -	0.2	-	-	-	-	-	-	-	-	Cut, Stab - - - - -	0.3	1	-	-	-	-	-	-	-	
Starvation, Want of Breast-milk † - - -	1.6	3	3	-	-	-	-	-	-	Burn and Scald - - - - -	8.3	7	-	4	2	-	1	-	-	
Alcoholism - - - - -	4.1	11	-	-	-	4	5	2	-	Poison - - - - -	1.3	2	-	-	-	1	1	-	-	
Rheumatic Fever, Rheumatism of Heart†	8.2	3	-	-	1	2	-	-	-	Drowning - - - - -	5.1	6	-	-	2	3	1	-	-	
Rheumatism † - - - - -	5.1	3	-	-	1	-	2	-	-	Suffocation - - - - -	14.9	20	19	-	-	-	-	-	-	
Gout - - - - -	3.8	6	-	-	-	1	2	3	-	Otherwise - - - - -	2.6	5	1	-	1	-	2	1	-	
Rickets † - - - - -	4.6	6	1	5	-	-	-	-	-	(HOMICIDE.)										
Cancer - - - - -	57.0	65	-	-	1	5	30	25	4	Murder & Manslaughter - - - - -	1.4	2	-	-	-	1	1	-	-	
Tabes Mesenterica - - - - -	26.1	22	14	4	3	1	-	-	-	(SUICIDE.)										
Tubercular Meningitis - - -	23.3	24	10	9	4	1	-	-	-	Gunshot Wound - - - - -	0.8	-	-	-	-	-	-	-	-	
Phthisis - - - - -	181.8	218	1	3	16	114	68	16	-	Cut, Stab - - - - -	1.1	1	-	-	-	-	1	-	-	
Serofula, Tuberculosis - - -	17.2	18	8	3	4	1	2	-	-	Poison - - - - -	2.2	-	-	-	-	-	-	-	-	
Other Constitutional Diseases † - - -	11.1	13	2	-	2	1	4	4	-	Drowning - - - - -	1.2	1	-	-	-	1	-	-	-	
Premature Birth - - - - -	39.9	43	43	-	-	-	-	-	-	Hanging - - - - -	2.0	4	-	-	-	2	1	1	-	
Atelectasis † - - - - -	3.0	3	3	-	-	-	-	-	-	Otherwise - - - - -	0.7	2	-	-	-	-	2	-	-	
Congenital Malformations - - -	7.2	8	7	-	1	-	-	-	-	(EXECUTION.)										
Old Age - - - - -	63.1	71	-	-	-	-	-	30	41	Hanging - - - - -	0.0	-	-	-	-	-	-	-	-	
Apoplexy - - - - -	47.9	49	1	-	2	10	27	9	-	OTHER CAUSES † - - - - -	63.9	53	43	2	-	-	2	-	1	
Epilepsy - - - - -	8.3	4	-	-	2	1	1	-	-											
Convulsions - - - - -	55.8	44	40	4	-	-	-	-	-											
Other Diseases of Brain and Nervous System - - -	103.6	91	8	13	4	7	15	32	9											

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. † As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used. ‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement." § The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 2. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																					
REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from															Inquest Cases.	Deaths in Public Institutions.	Unrecorded Causes
				Deaths of	Deaths from																
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.						
LONDON	3,815,704	2702	1847	393	475	1	14	13	27	103	-	8	1	21	77	143	434	10			
WEST DISTRICTS	689,688	379	315	57	80	-	3	1	2	18	-	-	-	2	12	28	74	1			
NORTH DISTRICTS	905,947	595	420	78	111	1	3	5	12	19	-	2	-	5	14	33	110	-			
CENTRAL DISTRICTS	282,238	171	130	25	27	-	3	-	3	8	-	1	-	3	7	10	42	1			
EAST DISTRICTS	692,738	538	389	79	93	-	1	-	7	20	-	3	-	7	20	40	97	-			
SOUTH DISTRICTS	1,365,148	1019	638	154	164	-	4	3	3	43	-	2	1	4	24	82	103	14			
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	-	-	5	-	-	-	-	4	-	-	-	-	-	-	-	-	5	-			
WEST DISTRICTS.																					
St. Mary Paddington WHH G.J. & W.M.	66883	52	23	1	9	-	1	-	-	2	-	-	-	-	1	1	2	-			
St. John Paddington H - G.J.	37380	6	13	1	3	-	-	-	-	-	-	-	-	-	1	1	4	-			
Kensington Town Ww - W.M.	120141	61	61	9	22	-	-	-	1	3	-	-	-	-	2	4	20	-			
Brompton H - W.M. & C.	43010	15	18	2	4	-	-	-	-	1	-	-	-	-	-	1	3	-			
St. Peter Hammersmith - W.M.	7899	5	3	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-			
St. Paul Hammersmith H W.M. & G.J.	64340	38	35	13	8	-	1	1	1	4	-	-	-	1	3	5	9	-			
Fulham Ww - W.M. & C.	42900	75	35	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chelsea South HHH - C.	30396	10	20	8	3	-	-	-	-	1	-	-	-	-	-	2	4	-			
Chelsea North-west WHHHH - C.	24925	20	12	1	2	-	-	-	-	1	-	-	-	-	-	1	6	-			
Chelsea North-east - C.	32807	24	13	4	5	-	-	-	-	-	-	-	-	-	3	-	-	-			
May Fair WW - G.J.	30353	6	15	-	9	-	-	-	-	-	-	-	-	-	-	-	9	-			
Belgrave WHHH - C.	39220	17	23	3	5	-	-	-	-	1	-	-	-	-	2	2	6	-			
St. John Westminster HHH - C.	35496	27	15	8	-	-	-	-	-	-	-	-	-	-	-	1	-	-			
St. Margaret Westminster H - C.	24679	8	15	2	1	-	-	-	-	1	-	-	-	-	2	4	8	-			
St. James Westminster WHH N.R. & G.J.	29941	12	9	1	2	-	-	-	-	-	-	-	-	-	1	1	-	-			
St. Anne Soho HHHHHH - N.R.	18603	5	5	2	-	-	-	-	-	1	-	-	-	-	-	-	1	1			
NORTH DISTRICTS.																					
All Souls Marylebone HHHH W.M.	26759	15	17	2	3	-	-	-	-	1	-	-	-	-	-	1	9	-			
Cavendish Square HHHH - W.M.	14891	1	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Rectory Marylebone WH G.J. & W.M.	24809	9	9	1	3	-	1	-	-	-	-	-	-	-	-	-	2	-			
St. Mary Maryleb. HHH G.J. & W.M.	21118	27	4	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-			
Christchurch Marylebone HH - W.M.	35700	13	8	4	2	-	-	-	1	-	-	-	-	-	-	1	-	-			
St. John Marylebone H - W.M.	33633	13	15	4	2	-	-	-	-	-	-	-	-	1	1	2	-	-			
Hampstead WwHHH N.R. & W.M.	45452	26	23	4	9	-	-	1	1	-	-	-	-	-	-	1	10	-			
Regent's Park Paneras H - W.M.	39115	20	9	5	1	-	-	-	-	1	-	-	-	-	-	-	-	-			
Tottenham-court WHHHH N.R. & W.M.	27729	13	19	2	6	-	-	-	-	3	-	-	-	-	1	2	10	-			
Gray's Inn Lane HHH - N.R.	30247	20	11	1	3	-	-	-	-	-	-	-	-	-	1	1	3	-			
Somers Town H - N.R.	34339	20	15	3	2	-	-	-	-	-	-	-	-	-	3	3	2	-			
Camden Town WH - N.R.	17811	14	11	1	7	-	-	-	-	1	-	-	-	-	1	2	7	-			
Kentish Town W - N.R.	37437	65	41	7	12	-	-	-	2	1	-	1	-	-	-	2	8	-			
Upper Holloway WwWH - N.R.	67946	54	59	7	18	1	-	1	-	2	-	-	-	-	1	5	29	-			
Islington South-west HH - N.R.	100976	73	28	9	5	-	1	1	-	-	-	1	-	2	1	3	1	-			
Islington South-east - N.R.	61825	37	28	4	7	-	1	-	-	2	-	-	-	-	-	-	-	-			
Highbury H - N.R.	52043	27	21	6	4	-	-	-	-	3	-	-	-	-	2	1	-	-			
Stoke Newington H - N.R.	22781	19	6	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-			
Stamford Hill - E.L.	9277	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
West Hackney H - N.R.	37610	27	16	-	7	-	-	-	-	-	-	-	-	1	1	2	2	-			
Hackney WwWH - E.L. & N.R.	76911	53	55	6	14	-	-	2	3	3	-	-	-	1	3	2	23	-			
South Hackney - E.L.	39933	35	21	6	2	-	-	-	1	1	-	-	-	-	1	2	-	-			
CENTRAL DISTRICTS.																					
St. George Bloomsbury - N.R.	16381	9	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Giles South WH - N.R.	14364	13	12	1	4	-	-	-	-	-	-	-	-	-	-	-	8	-			
St. Giles North - N.R.	18837	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Martin-in-the-Fields HH N.R. & C.	17508	6	6	3	1	-	-	-	-	-	-	-	-	-	1	1	3	-			
St. Mary-le-Strand H - N.R.	7515	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Clement Danes H - N.R.	8559	1	5	-	1	-	-	-	-	-	-	-	-	-	-	-	5	-			
Strand Union Workhouse, Edmonton w.	-	-	4	-	4	-	-	-	-	-	-	-	-	-	-	-	4	-			
St. Geo.-the-Martyr HHHHHH N.R.	18371	8	8	2	1	-	-	-	1	-	-	-	-	-	-	-	3	-			
St. Andrew Eastern W - N.R.	10706	3	3	2	1	-	-	-	-	-	-	-	-	-	1	1	-	-			
Saffron Hill H - N.R.	6533	4	2	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-			
St. James Clerkcnwell - N.R.	17516	14	4	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-			
Anwell Clerkcnwell - N.R.	19231	12	2	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-			
Pentonville - N.R.	14773	8	10	3	2	-	-	-	-	-	-	-	-	-	1	2	-	-			
Goswell-street - N.R.	17506	10	8	4	1	-	1	-	-	-	-	-	-	1	-	-	-	-			
Old-street H - N.R.	11541	14	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
City-road HHL - N.R.	18623	31	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Whitecross-street - N.R.	9217	15	5	1	-	-	2	-	-	2	-	-	-	-	-	-	-	-			
Finsbury - N.R.	7463	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Holborn Union Workhouse, Mitcham w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Botolph H - N.R. & E.L.	11174	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Cripplegate - N.R.	7193	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Sepulchre H - N.R.	6353	1	20	-	-	-	-	-	2	1	-	1	-	-	3	4	19	-			
St. Bride W - N.R.	8396	4	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Allhallows Barking - N.R.	13666	2	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street H - N.R.	5652	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishments receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Waste Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwar and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

REGISTRATION		Enume- rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths from										Inquest Cases,	Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.			
<b>EAST DISTRICTS.</b>																	
Shoreditch	N.R. & E.L.	7376	8	1	-	1	-	-	-	-	-	-	-	-	-	-	
St. Shoreditch	H.L.* - N.K.	14967	12	15	2	-	-	-	-	-	-	-	-	-	-	-	
New Town	- - N.R.	29937	30	17	3	9	-	-	-	-	-	-	-	-	-	-	
Old Town	- - N.R.	28036	18	9	2	3	-	-	-	-	-	-	-	-	-	-	
ton WH	- - N.R. & E.L.	46275	58	24	6	10	-	-	-	-	-	-	-	-	-	-	
Green North H	- - E.L.	51157	49	17	3	5	-	-	1	-	-	-	-	-	2	-	
Green South	- - E.L.	34399	32	13	7	2	-	-	1	-	-	-	-	-	1	-	
Green East WHL*	- - E.L.	41405	39	31	5	10	-	-	1	-	-	-	-	-	1	14	
ds	- - E.L. & N.R.	22585	15	6	2	1	-	-	-	-	-	-	-	-	-	-	
New Town W	- - E.L.	15473	15	10	1	2	-	-	-	-	-	-	-	-	-	-	
apel Church H	- - E.L. & N.R.	17450	10	12	1	4	-	-	-	-	-	-	-	-	7	21	
n's Fields	- - E.L.	9713	2	2	1	-	-	-	-	-	-	-	-	-	-	-	
	- - N.R. & E.L.	6102	6	1	-	-	-	-	-	-	-	-	-	-	-	-	
ge's, North	- - E.L.	38747	23	16	4	3	-	-	-	-	-	-	-	-	-	-	
, St. George East W	- - E.L.	8410	7	12	3	3	-	-	-	-	-	-	-	-	2	8	
H	- - E.L. & N.R.	10885	10	9	3	1	-	-	-	-	-	-	-	-	2	5	
	- - E.L.	16107	8	5	2	2	-	-	-	-	-	-	-	-	1	-	
	- - E.L.	32041	20	19	2	3	-	-	2	2	-	-	-	-	-	-	
d Old Town West H	- - E.L.	37860	24	21	10	4	-	-	-	-	-	-	-	-	-	-	
d Old Town East WHH-H	- - E.L.	67553	45	24	3	12	-	-	1	2	-	-	-	-	4	10	
	- - E.L.	37074	21	9	4	-	-	-	-	-	-	-	-	-	-	-	
	- - E.L.	64359	48	37	9	11	-	-	-	-	-	-	-	-	6	10	
WHH	- - E.L.	55077	55	29	6	7	-	-	1	-	-	-	-	-	5	2	
<b>SOUTH DISTRICTS.</b>																	
urch Southwark WH	L. & S.	13663	8	3	-	2	-	-	-	-	-	-	-	-	1	-	
our Southwark	- - S.	14999	14	7	-	1	-	-	-	-	-	-	-	-	-	-	
nd	- - S. & L.	21881	15	16	5	4	-	-	-	-	-	-	-	-	1	-	
-road WH	- - S. & L.	18953	12	13	4	2	-	-	1	-	-	-	-	-	5	1	
-road HL	- - L. & S.	21318	12	8	2	2	-	-	-	-	-	-	-	-	1	-	
Newington	- - S. & L.	26672	19	8	2	2	-	-	1	-	-	-	-	-	1	-	
Walworth W	- - S. & L.	59555	47	22	4	6	-	-	-	-	-	-	-	-	1	-	
Newington	- - L. & S.	21623	17	13	3	4	-	-	-	-	-	-	-	-	-	-	
WH	- - S.	11956	11	12	1	-	-	-	-	-	-	-	-	-	-	-	
Market	- - S. & L.	16800	6	6	2	1	-	-	-	-	-	-	-	-	-	-	
Magdalen W	- - S.	15669	12	5	2	1	-	-	-	-	-	-	-	-	-	-	
Bermondsey	- - S.	54632	55	20	2	3	-										

being Workhouses in the following sub-districts:  
 being Infirmary in Kensington Town sub-district.  
 London Sick Asylum, in Tottenham Court-road sub-district.  
 Infirmary in Upper Holloway sub-district.  
 City Workhouse " Hackney sub-district.  
 " " Boxton New Town sub-district.  
 " " Mile End Old Town Eastern sub-dist.  
 " " Mile End Old Town Eastern sub-dist.  
 " " " and Bromley sub-district.  
 Stepney Workhouse in Bromley sub-district.  
 Poplar & Stepney Sick Asylum " Westminster Union Industrial School in West Battersea sub-district.  
 St. Saviour's Infirmary in Camberwell sub-district.  
 Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.  
 Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION: BIRTHS and DEATHS registered during the Week ending Saturday, 22nd February, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	
LONDON—OUTER RING		370,924	950,957	949	499	125	137	-	12	4	5	23	2	3	6	20	56	6	
30: 1	Carshalton <i>wL</i> -	12228	21118	11	12	1	8	-	-	-	-	-	-	-	-	-	-	4	
2	Epsom (part of) * <i>WwH</i>	9971	10710	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	
37: 1	Godstone (part of) * -	2754	1235	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
38: 1	Croydon <i>WwHLL</i> -	20851	101241	85	60	10	13	-	1	-	-	2	-	-	-	3	5	-	
2	Mitcham <i>w†</i> -	11697	17932	10	6	1	1	-	-	-	-	-	-	-	-	-	-	1	
39: 1	Wimbledon <i>HHH</i> -	3220	15950	17	5	3	1	-	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	8549	36354	22	17	6	5	-	-	-	-	-	-	1	-	-	-	1	
3	Esher (part of) * -	6601	9221	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4573	13539	10	4	1	2	-	-	-	-	-	-	-	-	-	-	-	
40: 1	Richmond <i>WH</i> -	2272	21302	8	10	1	3	-	-	-	-	3	-	-	1	1	3	-	
2	Mortlake -	2041	12331	10	4	2	-	-	1	-	-	-	-	-	-	-	-	-	
41: 1	Bromley (pt. of) * <i>HH</i>	15669	31142	26	9	3	2	-	-	-	1	-	-	-	-	-	-	-	
2	Chislehurst (pt. of) * <i>WHH</i>	14807	13844	17	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
42: 1	Bexley <i>H</i> -	18437	24134	24	15	4	4	-	-	-	-	-	-	-	1	1	1	1	
2	Dartford (Ww, pts. of) * †	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	2	-	
124: 1	Sunbury <i>w</i> -	11055	11685	11	5	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12089	6	16	2	3	-	3	-	-	-	-	1	-	1	7	-	
125: 1	Hillingdon <i>WHH</i> -	6029	10802	5	7	1	2	-	-	-	-	-	-	-	-	1	3	-	
2	Uxbridge -	6178	3225	4	2	1	-	-	1	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14587	11523	9	9	1	4	-	-	-	-	-	-	-	-	-	3	-	
126: 1	Isleworth <i>WHH</i> -	7008	22727	13	11	2	3	-	-	-	1	2	-	-	-	-	2	-	
2	Twickenham <i>H</i> -	2477	12479	13	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i> -	4845	27649	26	14	4	6	-	-	-	1	1	-	-	-	-	2	-	
4	Chiswick -	1340	15975	7	5	2	2	-	-	-	-	1	-	-	1	1	-	-	
5	Acton <i>wH</i> -	6083	22376	20	5	-	2	-	-	-	-	-	-	-	-	-	-	-	
127: 1	Harrow <i>H</i> -	13809	12795	10	7	4	2	-	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i> -	6984	3749	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	34	22	7	7	-	-	-	1	-	-	-	-	2	-	-	
4	Hendon <i>W</i> -	8332	10484	13	2	1	1	-	-	-	-	-	-	-	-	-	-	-	
137: 1	Bushey -	9331	6621	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
2	Watford (W, pt. of) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128: 1	South Mimms -	15499	6391	4	4	-	2	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5438	10092	5	9	3	3	-	-	-	-	1	-	-	-	-	1	-	
3	Finchley <i>HL</i> -	4638	1715	14	15	2	2	-	-	1	-	1	-	-	-	2	7	-	
135: 1	Hatfield (part of) * -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129: 1	Hornsey <i>H</i> -	3039	37078	34	16	3	5	-	-	-	1	-	-	1	-	1	-	-	
2	Tottenham <i>H</i> -	4642	46456	89	37	12	5	-	1	-	-	1	-	-	2	3	1	-	
3	Edmonton <i>WwS</i> -	7453	23463	26	14	2	6	-	-	-	-	-	-	-	-	-	3	-	
4	Enfield <i>WH</i> -	12653	19104	24	9	4	2	-	-	-	-	-	-	-	-	-	-	-	
5	Waltham Abbey -	11017	5368	4	2	-	2	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	3480	7735	6	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
136: 1	Stratford -	882	38606	45	20	4	4	-	-	-	-	6	-	-	-	-	-	2	
2	West Ham <i>wowwH</i> †	4055	90347	126	54	17	7	-	2	2	-	6	1	-	1	3	-	-	
3	East Ham -	3296	10706	26	12	2	2	-	-	-	-	2	-	-	-	-	-	-	
4	Leyton <i>WwL</i> -	4372	32430	49	23	2	11	-	3	-	-	-	1	-	-	1	10	-	
5	Walthamstow <i>H</i> -	6520	28869	38	19	9	3	-	-	-	-	2	-	-	-	-	-	-	
137: 1	Chigwell (part of) * <i>H</i>	11761	9669	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epping (W, pt. of) * -	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
139: 1	Romford (part of) * <i>W</i>	6730	3411	1	2	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	3493	7545	7	2	1	-	-	-	-	1	-	-	-	-	-	-	-	
3	Barking Town -	4127	9203	15	5	2	1	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37: 1, the parishes of Warrington and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadnam and Knockholt (pop. 1813); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Norton in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan

Metropolitan Asylum Hospital (see Table 5).

On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 22nd February, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 50 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
ATER LONDON	448,334	5,758,500	21·2	2·2	2346	518	612	1	26	17	32	131	11	24	83	490		
INNER LONDON	77,410	4,421,601	21·8	2·2	1847	393	475	1	14	13	27	103	9	21	77	434		
UTER RING	370,924	1,336,899	19·5	2·1	499	125	137	-	12	4	5	23	2	3	6	56		

RE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0·622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,166,390 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
PUTTA -	433,219	January 11	-	-	-	-	-	-	-	-	-	-	-
BAY -	773,196	" 28	313	394	22·5	1	4	?	?	?	136	43†	
RAE -	398,777	" 3	309	282	36·7	-	7	?	?	?	68	40†	
RS -	2,260,945	February 15	1311	1151	26·5	1	22	2	34*	25	5	52	
SSELS -	471,606	" 15	254	195	21·2	-	1	1	1	3	1	18	
(8 Faubourgs.)													
TERDAM -	406,402	" 15	286	184	23·5	-	-	-	2	3	3	-	
TERDAM -	203,486	" 15	122	94	24·0	-	-	-	-	2	-	2	
HAGUE -	156,497	" 15	97	67	22·2	-	-	-	-	2	-	-	
ENHAGEN -	307,000	" 15	232	142	24·1	-	-	3	15	2	-	8	
CKHOLM -	228,218	" 8	134	84	19·1	-	-	4	5*	1	-	9	
IBITANIA -	138,300	" 15	80	67	25·2	-	8	2	1	-	-	4	
PETERSBURG	924,106	" 1	-	525	29·6	-	15	25	3	6	6	39	
LIN -	1,526,887	" 1	976	659	22·5	-	2	5	30	21	2	48	
EBURG(State)	575,276	" 8	386	323	29·3	-	1	4	11*	1	9	67	
SDEN -	269,250	" 8	163	127	24·5	-	2	1	5*	-	1	4	
SLAV -	324,143	" 15	217	166	27·2	-	-	1	7*	1	1	12	
NICH -	298,000	" 8	224	154	26·9	-	8	-	9*	1	-	13	
ENNA -	822,176	" 8	549	416	26·3	-	3	-	8	6	1	15	
GUE -	304,356	" 8	-	185	31·7	-	3	4	2	1	1	3	
A-PNESTH	463,017	" 8	343	279	31·3	-	-	2	6	2	4	12	
ESTE -	160,092	" 15	108	120	39·0	-	-	-	3	1	-	2	
IE -	409,692	December 14	285	248	31·6	1	-	-	4	1	11†	20	
IN (10 days)-	306,398	January 10	239	261	31·1	1	16	-	2	-	3	14	
ICE -	156,515	February 8	-	-	-	-	-	-	-	-	-	-	
RO -	374,338	January 30	360	314	43·7	-	-	-	2*	1	24	92	
XANDRIA	231,396	" 30	296	278	62·6	8	-	-	5*	-	8	43	
Y YORK -	1,595,547	February 1	-	782	25·6	-	10	13	24	10	2	10	
OKLYN -	852,467	" 1	-	370	22·7	-	1	3	21	2	5	-	
ADDELPHIA -	1,040,245	" 1	-	505	25·3	-	3	1	19	1	24	2	
ITMORE -	500,343	" 1	-	212	22·1	-	6	1	4	-	4	-	
Y ORLEANS -	254,000	January 25	-	114	23·4	-	-	-	2	-	-	7	

\* Including deaths from croup.

† Including 5 deaths from cholera in Bombay, and 1 in Madras.

‡ Including 7 deaths from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, FEBRUARY 22ND, 1890.  
[Under the Superintendence of the Astronomer Royal.]

[illegible]

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1973 for the barometer, and during the twenty years ending 1988 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "*higher*," and "*lower*," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the Jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; W. weak; M. moderate; S. strong; and variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.41 in. at the beginning of the week to 30.09 in.

## GENERAL REMARKS.

SUNDAY	16	m. P. generally	4.4	10.0	Fine; generally cloudy.
MONDAY	17	w. P. till afternoon; s. P. afterwards.	1.6	10.1	Fine; cloudy.
TUESDAY	18	m. P. generally	5.2	10.1	Fine; light clouds prevailed till evening; cloudless at night.
WEDNESDAY	19	m. P. in morning; s. P. afterwards.	1.2	10.2	Fine; partially cloudy.
THURSDAY	20	m. P. in morning; v. N. and v. P. afterwards.	0.0	10.3	Overcast; frequent thin rain in morning and afternoon.
FRIDAY	21	m. P. in morning; v. P. afterwards.	0.0	10.3	Overcast; foggy in morning.
SATURDAY	22	v. P. generally	0.0	10.4	Generally overcast; slight fog in morning.
			Sum 18.4	Sum 70.4	

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationery Office,*

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No. 9. 1890. VOL. LI.]      WEEK ENDING SATURDAY, MARCH 1.      [Price 1½d.

*General Register Office, Somerset House,  
3rd March, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25·6 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.		Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.
Birkenhead	19·4	23·8	19·9	22·3	Liverpool - -	27·2	31·0	30·2	29·5
Birmingham	26·1	30·6	27·0	23·1	London - - -	20·6	21·3	21·8	21·3
Blackburn -	23·2	23·2	30·4	36·3	Manchester -	30·4	33·6	35·3	40·7
Bolton - - -	20·7	33·8	30·6	43·7	Newcastle-on-Tyne	29·1	28·2	25·9	28·5
Bradford - -	23·2	22·3	30·6	34·9	Norwich - - -	30·6	24·1	26·8	29·0
Brighton - -	22·8	22·8	14·8	18·1	Nottingham -	19·4	24·1	25·1	21·3
Bristol - - -	34·8	37·5	25·6	27·2	Oldham - - -	24·9	30·9	33·4	30·9
Cardiff - - -	22·7	24·5	18·7	16·5	Plymouth - -	25·8	34·4	23·8	23·8
Derby - - - -	18·6	21·7	18·6	24·8	Portsmouth -	29·9	23·0	24·1	22·3
Halifax - - -	22·2	26·7	29·2	29·9	Preston - - -	26·8	27·8	37·7	43·1
Huddersfield	19·9	26·0	24·9	26·6	Salford - - -	23·0	26·0	28·0	28·8
Hull - - - - -	20·5	25·1	23·9	21·5	Sheffield - -	23·2	27·3	32·0	35·1
Leeds - - - -	25·5	30·1	29·4	36·5	Sunderland -	25·6	27·5	26·0	26·4
Leicester - -	16·6	24·7	23·3	17·9	Wolverhampton	25·6	33·1	33·8	35·6

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·1 in London and in Manchester, 1·7 in Brighton, 1·7 in Leeds, 2·3 in Bolton, and 2·5 in Bristol; and from *measles*, 2·1 in Liverpool. In none of the twenty-eight towns did the death-rate from *scarlet fever* or "*fever*" reach 1·0 per 1000. The 36 deaths from *diphtheria* in these towns included 24 in London, 3 in Salford, and 2 in Liverpool. *Small-pox* caused no death in any of the twenty-eight great towns.

## LONDON.

In LONDON 2560 BIRTHS and 1803 DEATHS were registered. Allowing for increase of population, the births were 355, and the deaths 12, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20·6, 21·3, and 21·8 in the three preceding weeks, declined again last week to 21·3. During the first nine weeks of the current quarter the death-rate averaged 25·1 per 1000, and was 2·3 above the mean rate in the corresponding periods of the ten years 1880-89.

The 1803 deaths included 19 from measles, 14 from scarlet fever, 24 from diphtheria, 97 from whooping-cough, 7 from enteric fever, 1 from an ill-defined form of continued fever, 12 from diarrhoea and dysentery, and not one from

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



small-pox, typhus, or cholera; thus, 174 deaths were referred to these diseases, being 33 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 12; 5 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of a child, aged 4 years, in Poplar, and of a child, aged 3 years, in Greenwich, were attributed to chicken-pox. The fatal cases of *measles*, which had been 21 and 14 in the two preceding weeks, rose again last week to 19, but were 20 below the corrected average; 3 belonged to Clerkenwell, 3 (including 2 in Roscoe Street) to St. Luke, and 3 to Bermondsey sanitary areas. The deaths from *scarlet fever*, which had been 19, 14, and 13 in the three previous weeks, were last week 14, and were 9 below the corrected average; 3 belonged to Hammersmith and 2 to Hackney sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1222 scarlet fever patients at the end of the week, against numbers declining in the eight preceding weeks from 1609 to 1247; 88 cases were admitted to these hospitals during the week, against 63 and 89 in the two previous weeks. The deaths from *diphtheria*, which had been 39 and 27 in the two preceding weeks, further declined last week to 24, but exceeded the corrected weekly average by 7; 3 belonged to Hammersmith, 2 to Chelsea, 2 to Newington, 4 to Camberwell, and 2 to Lewisham sanitary areas. The 97 fatal cases of *whooping-cough* showed a further decline from the high numbers in the two preceding weeks, but exceeded the corrected average by 9; 6 belonged to St. George Hanover Square, 6 to Bethnal Green, 6 to Newington, 6 to Lambeth, 5 to Battersea, 6 to Wandsworth, and 10 to Camberwell sanitary areas. The deaths attributed to *diarrhœa* and *dysentery*, which had been 4, 6, and 21 in the three preceding weeks, declined again last week to 12, and were 2 below the corrected average.

The deaths referred to *enteric fever*, which had been 12 and 8 in the two preceding weeks, further declined last week to 7, and were 4 below the corrected average. The death of a child, aged 6 years, in Chelsea, was attributed to febricula. The Metropolitan Asylum Hospitals contained 52 cases of enteric fever and not one of typhus on Saturday last; 9 cases of enteric fever were admitted during the week, against 2 and 6 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had already declined in the six preceding weeks from 127 to 24, were last week 23; of which 9 occurred in the South, 8 in the North, and 5 in the West groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 439 and 452 in the two preceding weeks, further rose last week to 492, and exceeded the corrected average by 7.

Different forms of violence caused 52 deaths, concerning all but 1 of which inquests were held. Of these 52 deaths, 7 were cases of suicide, and 2 of murder or manslaughter, while the remaining 43 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 9 by burns or scalds, 2 by drowning, and 13 (including 12 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3380 births and 2248 deaths were registered, corresponding to annual rates of 30·6 and 20·4 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 8 from diphtheria, and 7 from measles were registered. The fatal cases of whooping-cough included 6 in West Ham, and 3 in Stratford sub-districts. Two deaths from diphtheria were returned in Acton and in Stratford sub-districts; 4 fatal cases of measles occurred in Leyton sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 30·20 ins.; the highest reading was 30·52 ins. on Sunday at noon, and the lowest 29·74 ins. on Saturday afternoon. The mean temperature of the *air* was 35°·4, and 4°·6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average on each day of the week, the coldest day being Saturday. The general direction of the *wind* was N.E., and the horizontal movement of the air averaged 12·5 miles per hour, which was 0·7 of a mile below the average in the corresponding weeks of 16 years. *Rain* and snow fell on three days of the week to the aggregate amount of 0·22 of an inch. The duration of registered bright sunshine in the week was 9·7 hours, against 29·2 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the week ending 1st March, 1890.

CITIES AND BOROUGH.	CITIES AND BOROUGH.	Registered during the Week ending 1st Mar., 1890.		The Deaths registered in the Week include										TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGH.				
		1.	2.	3.	4.	5.	6.	7.	8.	Deaths from				13.	14.	15.	16.	17.	18.	From All Causes.			23.	24.	
										Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.							Scarlet Fever.		Diphtheria.			Whooping cough.
BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.		BIRTHS. DEATHS.	
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TABLE 2. LONDON.—Births and Deaths Registered in the NINTH Week of each of the Eleven Years, 1880-90.

	1880.	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2777	2620	2589	2773	2751	2623	2640	2572	2778	2608	2914·9	2560
Males . .	1446	1348	1291	1386	1407	1378	1392	1267	1439	1321	1491·2	1264
Females .	1331	1272	1298	1387	1344	1245	1243	1305	1339	1287	1423·7	1296
<b>TOTAL Deaths</b>	1607	1633	1790	1590	1483	1495	2143	1635	1794	1472	1814·7	1803
Males . .	810	850	868	795	763	751	1027	812	910	787	903·1	888
Females .	797	783	922	795	715	744	1116	823	884	735	906·6	915

\* The numbers in this column are the average weekly numbers in the ninth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

			Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.
TOTAL Births - -			2270	2535	2513	1815	2961	2818	2714	2510	2699	2707	2793	2702	2560
TOTAL Deaths - -			1683	1768	1816	1690	2371	2747	2720	2227	1849	1749	1809	1847	1803
Ages at Death	{	0—20 years -	713	719	723	651	834	939	909	775	703	714	763	753	739
		20—40 " -	196	227	216	220	346	367	450	349	282	238	218	256	234
		40—60 " -	294	312	348	332	541	670	666	510	369	334	357	363	325
		60—80 " -	392	418	424	396	552	640	576	503	390	363	390	374	418
		80 years & up,wards -	88	92	105	91	98	131	119	90	105	100	81	101	87
"	{	Under 1 year -	353	375	364	326	398	430	415	386	350	372	352	393	368
		1—5 -	265	247	261	232	310	375	314	294	250	254	306	259	263
		5—20 -	95	97	98	93	126	134	150	95	103	88	105	101	103
Deaths from Small-pox -			-	-	-	-	-	-	-	-	-	-	1	-	
"	"	Measles -	41	30	35	29	36	24	24	21	11	8	21	14	19
"	"	Scarlet fever -	24	12	22	14	15	13	22	10	14	19	14	13	14
"	"	Diphtheria -	47	35	27	26	32	26	22	22	24	24	39	27	24
"	"	Whooping-cough -	47	49	60	67	98	112	104	82	67	91	115	103	97
"	"	Typhus -	-	-	1	2	-	-	-	1	-	-	-	-	-
"	"	Enteric fever -	8	15	12	13	12	11	14	10	9	2	12	8	7
"	"	Simple Cont'd fever -	2	-	-	-	-	1	1	-	-	-	1	1	1
"	"	Diarrhoea and Dysentery -	12	14	13	19	10	12	6	14	9	4	6	21	12
"	"	Cholera -	-	-	-	-	-	-	-	-	-	-	-	-	-
"	"	all the above- mentioned Diseases -	181	155	170	170	203	199	193	160	134	143	203	188	174
"	"	Dis. of Respira- tory System -	432	552	518	467	843	1069	1010	736	550	485	439	452	492
"	"	Phthisis -	161	182	161	180	247	267	312	239	220	209	215	218	224
"	"	Dis. of Circula- tory System -	165	163	189	158	222	275	209	193	116	154	143	162	146
Violent Deaths - -			56	55	69	47	91	55	65	60	62	58	56	77	52
Inquest Cases - -			128	124	156	121	195	192	171	142	127	125	137	143	134
Deaths in Public Institutions			358	422	419	400	494	534	626	491	470	401	436	434	423
TEMPERATURE OF THE AIR															
Mean -			32·1	33·1	43·5	39·8	32·8	47·6	45·5	42·7	42·9	37·1	35·9	39·4	35·4
Mean of Highest readings -			35·8	42·5	47·3	44·0	36·7	52·4	50·6	48·4	48·3	42·7	41·7	43·9	42·0
Mean of Lowest readings -			27·8	31·9	38·1	35·2	28·5	43·0	39·4	36·9	38·2	32·0	30·8	35·9	30·4
Humidity of the Air - -			85	92	94	90	97	89	86	84	90	89	87	89	87
Rain-fall in inches - -			0·23	0·23	0·33	0·61	0·11	0·40	0·13	0·77	0·73	0·05	0·88	0·04	0·22
Registered Sunshine (in hours)			8·4	4·4	2·1	3·2	5·0	10·1	7·3	14·9	8·9	6·5	31·2	12·4	9·7

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegue, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIlainsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

# Deaths from different Causes.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the NINTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 9th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 1st March 1890.							Corrected Averages for the 9th Weeks of the 10 years 1880-89.*	CAUSES OF DEATH.	Corrected Averages for the 9th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 1st March 1890.									
		Deaths of Persons of the Ages										Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.				80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	
			0-1.	1-5.	5-20.									0-1.	1-5.	5-20.					
ALL CAUSES -	1814.7†	1803	368	263	108	234	325	418	87	Diseases of Organs of Special Sense † -	2.7	8	-	4	1	1	-	2	-		
Small-pox { Vaccinated † -	12.4 {	-	-	-	-	-	-	-	-	Diseases of Circulatory System -	123.1	146	2	1	11	17	44	53	13		
Unvaccinated † -		-	-	-	-	-	-	-	-	Croup -	14.6	12	1	7	4	-	-	-	-		
No Statement		-	-	-	-	-	-	-	-	Bronchitis -	319.0	323	65	48	5	9	58	121	22		
Measles -	88.9	19	4	15	-	-	-	-	-	Pneumonia -	103.4	111	21	27	6	18	17	20	2		
Scarlet Fever -	22.7	14	-	13	1	-	-	-	-	Pleurisy -	7.1	9	1	-	-	2	3	3	-		
Typhus -	0.8	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System -	40.9	52	5	7	2	1	7	8	2		
Relapsing Fever † -	0.0	23	1	1	-	6	4	10	1	Dentition † -	17.2	7	6	1	-	-	-	-	-		
Influenza -	0.3	97	31	60	6	-	-	-	-	Quinsy, Sore Throat † -	3.4	4	2	-	2	-	-	-	-		
Whooping-cough -	87.9	16.9	24	8	10	11	-	-	-	Erysipelas -	4.9	5	3	-	-	1	-	1	-		
Diphtheria -	1.4	1	-	-	1	-	-	-	-	Peritonitis -	6.8	4	-	-	1	-	-	2	-		
Simple Continued and Ill-defined Fever -	11.3	7	-	-	3	3	-	1	-	Diseases of Liver -	31.6	29	1	-	-	5	9	12	2		
Enteric Fever -	0.0	-	-	-	-	-	-	-	-	Other Diseases of Digestive System -	30.4	21	2	-	4	2	5	8	-		
Cholera -	14.8	12	6	6	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † -	1.6	-	-	-	-	-	-	-	-		
Diarrhoea, Dysentery	0.1	-	-	-	-	-	-	-	-	Diseases of Urinary System -	43.0	46	8	2	3	9	17	12	-		
Remittent Fever † -	0.2	-	-	-	-	-	-	-	-	Diseases of Generative System -	7.4	5	-	-	-	2	2	1	-		
Hydrophobia -	0.0	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4.9	4	-	-	-	4	-	-	-		
Glanders -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † -	10.2	9	-	1	4	2	1	1	-		
Cowpox and Effects of Vaccination † -	0.1	-	-	-	-	-	-	-	-	Diseases of Integumentary System -	6.8	6	1	1	-	-	2	2	-		
Veneral Affections -	11.1	13	11	1	-	-	-	1	-	VIOLENT DEATHS.‡											
Erysipelas -	6.5	7	2	1	-	1	2	-	1	(ACCIDENT.)											
Pyæmia and Septicæmia †	3.1	1	-	-	1	-	-	-	-	Fracture and Contusion	20.3	15	1	2	3	-	5	4	-		
Puerperal Fever -	7.5	5	-	-	4	1	-	-	-	Gunshot Wound -	0.2	-	-	-	-	-	-	-	-		
Other Zymotic Diseases †	1.7	4	-	3	-	1	-	-	-	Cut, Stab -	0.3	1	-	-	-	1	-	-	-		
Thrush -	2.0	2	2	-	-	-	-	-	-	Burn and Scald -	8.1	9	2	4	-	-	-	2	-		
Worms and other Parasitical Diseases -	0.7	-	-	-	-	-	-	-	-	Poison -	1.4	2	-	-	-	-	1	1	-		
Starvation, Want of Breast-milk † -	1.9	2	2	-	-	-	-	-	-	Drowning -	4.0	9	-	-	-	1	1	-	-		
Alcoholism -	4.1	5	-	-	3	2	-	-	-	Suffocation -	15.0	13	12	1	-	-	-	-	-		
Rheumatic Fever, Rheumatism of Heart †	7.9	8	-	-	3	2	1	2	-	Otherwise -	2.4	3	1	-	-	1	1	-	-		
Rheumatism †	2.1	5	-	-	-	2	2	1	-	(HOMICIDE.)											
Gout -	3.3	8	-	-	-	1	2	-	-	Murder & Manslaughter	0.7	2	1	-	-	-	1	-	-		
Rickets †	3.8	3	1	1	1	-	-	-	-	(SUICIDE.)											
Cancer -	50.5	64	-	-	1	5	35	18	5	Gunshot Wound -	0.9	-	-	-	-	-	-	-	-		
Tabes Mesenterica	26.9	13	8	2	3	-	-	-	-	Cut, Stab -	1.4	1	-	-	-	-	1	-	-		
Tubercular Meningitis	29.7	15	4	8	3	-	-	-	-	Poison -	1.9	2	-	-	-	1	-	1	-		
Phthisis -	178.4	224	8	2	19	104	77	19	-	Drowning -	1.5	1	-	-	-	-	-	-	-		
Scrophula, Tuberculosis	17.0	22	6	10	4	1	1	-	-	Hanging -	1.9	3	-	-	1	1	-	1	-		
Other Constitutional Diseases †	12.9	8	1	1	-	2	2	1	1	Otherwise -	0.2	-	-	-	-	-	-	-	-		
Premature Birth -	39.1	41	41	-	-	-	-	-	-	(EXECUTION.)											
Atelectasis † -	1.5	2	2	-	-	-	-	-	-	Hanging -	0.0	-	-	-	-	-	-	-	-		
Congenital Malformations -	8.3	5	4	1	-	-	-	-	-	OTHER CAUSES † -	63.7	50	43	2	-	-	3	2	-		
Old Age -	39.9	59	-	-	-	-	-	23	31												
Apoplexy -	47.9	43	2	-	-	3	8	80	3												
Epilepsy -	6.8	8	1	-	1	2	4	-	-												
Convulsions -	59.0	52	45	6	1	-	-	-	-												
Other Diseases of Brain and Nervous System	104.7	101	16	13	9	12	10	33	3												

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.	Enume- rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of		Deaths from													Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.						
LONDON	3,815,704	2560	1803	368	505		19	14	24	97	-	7	1	12	52	134	423	20			
WEST DISTRICTS	669,633	376	316	56	89		2	3	7	17		2	1	2	8	19	86	1			
NORTH DISTRICTS	905,947	583	376	87	119		3	1	3	12				6	12	30	81	2			
CENTRAL DISTRICTS	282,238	146	142	18	39		6		4	1		1			6	16	39				
EAST DISTRICTS	692,738	489	347	83	93		4		2	23				2	14	43	105	8			
SOUTH DISTRICTS	1,265,148	966	620	124	165		4	8	8	44		2		2	12	26	110	14			
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	-	-	2	-	-		-	2	-	-		-	-	-	-	-	2	-			
WEST DISTRICTS.																					
St. Mary Paddington WHH G.J. & W.M.	69888	44	46	13	13		1	-	-	4		-	-	-	1	4	6	-			
St. John Paddington H	37890	9	6	1	-		-	-	-	-		-	-	-	-	-	3	-			
Kensington Town WH	120141	59	45	9	12		-	-	-	3		-	-	-	2	2	12	-			
Brompton H	48010	10	11	-	5		-	-	-	-		-	-	-	-	-	3	-			
St. Peter Hammersmith	7399	3	1	-	-		-	-	-	-		-	-	-	-	-	-	-			
St. Paul Hammersmith H	64340	60	31	9	10		-	-	1	3	2	1	-	-	1	4	-	-			
Fulham WH	42900	54	39	7	7		-	-	2	1	1	-	-	-	-	-	4	11			
Chelsea South HHH	30896	16	9	1	3		-	-	-	-		-	-	-	-	1	-	-			
Chelsea North-west WHHHH	24925	15	23	2	9		-	-	-	-		-	-	-	-	-	15	-			
Chelsea North-east	82807	19	12	2	4		-	-	-	-		-	-	1	2	2	-	-			
May Fair WH	80353	9	17	2	10		1	-	-	-		-	-	-	-	-	12	-			
Belgrave WHHH	59220	24	34	6	5		-	-	-	2	5	-	-	-	2	2	16	1			
St. John Westminster HHH	35498	28	13	2	3		-	-	-	1		-	-	-	-	-	-	-			
St. Margaret Westminster H	24679	8	6	-	3		-	-	-	1		-	-	-	-	-	2	-			
St. James Westminster WHH N.R. & G.J.	29941	15	9	1	2		-	-	-	-		-	-	-	-	-	3	-			
St. Anne Soho HHHHHH	16608	5	11	1	3		-	-	-	1		-	-	-	-	-	3	-			
NORTH DISTRICTS.																					
All Souls Marylebone HHHHH W.M.	26759	8	18	-	8		-	-	-	-		-	-	-	-	2	10	-			
Cavendish Square HHHH	14391	9	4	-	2		-	-	-	-		-	-	-	1	-	-	-			
Rectory Marylebone WH G.J. & W.M.	24809	10	14	3	-		-	-	-	-		-	-	-	-	-	2	-			
St. Mary Marylebone HHH G.J. & W.M.	21118	25	9	6	23		-	-	-	1		-	-	-	-	1	8	-			
Christchurch Marylebone HHH	33700	17	9	3	2		-	-	-	1		-	-	-	-	1	-	-			
St. John Marylebone H	83635	21	10	8	1		-	-	1	-		-	-	1	-	-	-	-			
Hampstead WHHHH N.R. & W.M.	45452	34	16	3	5		-	-	1	1		-	-	1	-	2	3	1			
Regent's Park Pancras H	89115	18	11	3	3		-	-	-	-		-	-	-	-	2	-	-			
Tottenham-court WHHHH N.R. & W.M.	27729	14	14	2	4		-	-	-	-		-	-	-	1	1	5	-			
Gray's Inn Lane HHH	80247	16	11	2	2		-	-	-	-		-	-	-	1	1	5	-			
Somers Town H	84369	22	8	-	4		-	-	-	1		-	-	1	1	1	-	-			
Camden Town WH	17811	11	19	6	11		-	-	-	-		-	-	1	1	1	15	-			
Kentish Town W	87457	53	34	6	12		1	-	1	3		-	-	-	1	2	5	-			
Upper Holloway WHH	67945	55	48	8	14		-	-	-	-		-	-	-	1	3	20	-			
Islington South-west HH	100976	65	34	7	7		1	-	-	3		-	-	1	1	3	-	-			
Islington South-east	61825	23	13	8	3		-	-	-	-		-	-	1	-	-	-	-			
Highbury H	62048	38	19	7	6		1	-	-	-		-	-	-	-	2	-	1			
Stoke Newington H	22731	17	13	4	5		-	-	-	-		-	-	1	1	1	-	-			
Stamford Hill	9277	8	7	1	3		-	-	-	-		-	-	-	-	-	-	-			
West Hackney H	87610	34	19	7	4		-	-	-	-		-	-	-	-	1	-	-			
Hackney WHHH	70911	42	34	4	17		-	-	1	-		-	-	-	3	6	13	-			
South Hackney	39883	38	12	4	4		-	-	-	1		-	-	1	2	-	-	-			
CENTRAL DISTRICTS.																					
St. George Bloomsbury	16651	5	5	-	2		-	-	-	-		-	-	-	-	-	-	-			
St. Giles South WH	14364	11	11	-	5		-	-	-	-		-	-	-	-	1	6	-			
St. Giles North	18837	10	3	-	-		-	-	-	-		-	-	-	-	-	-	-			
St. Martin-in-the-Fields HH N.R. & C.	17509	3	6	-	3		-	-	-	-		-	-	-	-	-	-	-			
St. Mary-le-Strand H	7515	-	2	-	-		-	-	-	-		-	-	-	1	2	2	-			
St. Clement Danes H	8559	2	11	2	-		-	-	-	-		-	-	-	-	-	1	-			
Strand Union Workhouse, Edmonton w.	-	-	4	-	3		-	-	-	1		-	-	-	-	4	4	-			
St. Geo.-the-Martyr HHHHHH N.R.	18671	7	11	1	4		-	-	-	-		-	-	-	-	-	4	-			
St. Andrew Eastern W	10706	4	3	-	-		-	-	-	1		-	-	-	-	-	-	-			
Saffron Hill H	6588	2	-	-	-		-	-	-	-		-	-	-	-	2	-	-			
St. James Clerkenwell	17516	12	9	2	2		-	-	1	-		-	-	-	-	-	-	-			
Amwell Clerkenwell	19281	9	7	2	-		-	-	2	-		-	-	-	-	-	-	-			
Pentonville	14773	11	5	1	-		-	-	-	-		-	-	-	1	1	-	-			
Goswell-street	17506	18	9	1	2		-	-	-	-		-	-	-	-	2	-	-			
Old-street H	11541	8	3	1	2		-	-	-	-		-	-	-	1	2	-	-			
City-road HHL	18628	19	12	4	5		-	-	-	-		-	-	-	-	-	1	-			
Whitecross-street	9217	4	6	1	-		-	-	3	-		-	-	-	-	-	1	-			
Finsbury	7463	2	3	-	1		-	-	-	-		-	-	-	1	1	-	-			
Holborn Union Workhouse, Mitcham w.	-	-	1	-	-		-	-	-	-		-	-	-	-	-	-	-			
St. Botolph H	11174	11	4	-	4		-	-	-	-		-	-	-	-	-	1	-			
Cripplegate	7193	2	1	-	1		-	-	-	-		-	-	-	-	-	-	-			
St. Sepulchre H	5358	-	18	-	3		-	-	-	-		-	-	-	-	-	-	-			
St. Bride W	8396	2	3	1	-		-	-	-	2	1		-	-	1	1	16	-			
Allhallows Barking	13666	3	4	1	2		-	-	-	-		-	-	-	1	1	-	-			
Broad Street H	6532	1	1	1	-		-	-	-	-		-	-	-	-	-	-	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>W</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of											Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Deaths of	Deaths from	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipels (or Typhoid) Fever.			
<b>EAST DISTRICTS.</b>																		
Lywell Shoreditch	N.R. & E.L.	7376	4	4	1	2	-	-	-	-	-	-	1	-	-	-	-	
Leonard Shoreditch	HL*	14987	13	5	1	3	-	-	-	-	-	-	-	-	-	1	1	
Ston New Town	N.R.	29837	27	19	5	1	-	-	-	-	-	-	-	-	-	2	1	
Ston Old Town	N.R.	28036	26	9	3	2	-	-	-	-	-	-	-	-	-	1	10	
Ston New Town	N.R. & E.L.	46275	59	20	6	1	-	-	-	-	-	-	-	-	-	-	-	
Ston Green North	H	51157	40	11	3	1	-	1	-	-	1	-	-	-	-	1	-	
Ston Green South	-	34899	22	11	3	2	-	-	-	-	2	-	-	-	-	2	-	
Ston Green East	WHL*	41405	31	34	3	16	-	-	-	-	3	-	-	1	-	1	16	
Ston Fields	E.L. & N.R.	22685	15	11	3	4	-	1	-	-	-	-	-	-	-	-	-	
Ston End New Town	W	15473	17	10	1	4	-	-	-	-	-	-	-	-	-	1	6	
Ston Chapel Church	H	17490	10	18	4	3	-	-	-	-	-	-	-	-	3	9	24	
Ston Man's Fields	-	9713	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ston Gate	N.R. & E.L.	6102	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ston George's North	-	88747	28	17	5	5	-	-	-	1	-	-	-	-	-	-	2	
Ston John, St. George East	W	8410	9	10	3	3	-	-	-	1	-	-	-	-	-	6	-	
Ston Newell	H	10825	4	14	6	1	-	-	-	-	-	-	-	-	-	2	9	
Ston Newell	-	16107	7	7	1	3	-	-	1	-	-	-	-	-	-	2	-	
Ston Newhouse	-	32041	23	14	3	2	-	1	-	3	-	-	-	-	-	1	-	
Ston End Old Town West	H	37980	24	13	4	4	-	-	-	2	-	-	-	-	1	1	-	
Ston End Old Town East	W & H	67653	43	31	10	9	-	-	-	2	-	-	-	1	6	8	6	
Ston W	L*	37074	28	18	9	2	-	-	1	1	-	-	-	-	-	1	1	
Ston Newell	H	64359	45	29	5	10	-	-	-	1	-	-	-	-	2	6	13	
Ston Newell	W & H	55077	30	31	5	12	-	1	-	2	-	1	-	-	-	4	8	
<b>SOUTH DISTRICTS.</b>																		
Ston Church Southwark	W & H	18663	11	5	2	1	-	-	-	-	-	-	-	-	-	-	-	
Ston Saviour Southwark	-	14999	9	7	3	2	-	1	-	1	-	-	-	-	-	1	-	
Ston New-road	-	21381	12	5	1	3	-	-	-	-	-	-	-	-	-	-	-	
Ston New-road	W & H	15963	17	12	3	3	-	-	-	3	-	-	-	-	1	1		

Arleybone Infirmary in Kensington Town sub-district.	Stepney Workhouses in Bromley sub-district.
General London Sick Asylum in Tottenham Court sub-district.	Poplar & Stepney Sick Asylum "
London Infirmary in Upper Holloway sub-district.	Westminster Union Industrial School in West Battersea sub-district
London City Workhouse " Hackney sub-district.	St. Saviour's Infirmary in Camberwell sub-district.
do " " Boxton New Town sub-district.	Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford
Whitechapel " " Mile End Old Town Eastern sub-dist.	and Edmonton sub-districts outside Registration London.
do " " Mile End Old Town Eastern sub-dist.	
London City " " " and Bromley sub-district.	Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 1st March, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Ename- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	
LONDON—OUTER RING		370,924	950,957	820	445	94	123	-	7	2	8	23	1	3	8	16	65	-	
80:1	Carshalton <i>wL</i> -	12228	21118	14	12	3	2	-	-	-	-	2	-	1	-	-	7	-	
2	Epsom ( <i>part of</i> )* <i>WwH</i>	9971	10710	8	6	1	3	-	-	-	-	-	-	-	-	-	2	-	
37:1	Godstone ( <i>part of</i> ) * -	2754	1235	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
38:1	Croydon <i>WwHHL</i> -	20851	101241	58	35	8	12	-	-	-	-	-	-	-	1	2	7	-	
2	Mitcham <i>w†</i> -	11697	17932	13	7	3	2	-	-	-	-	-	-	-	-	-	-	-	
39:1	Wimbledon <i>HHH</i> -	3220	15950	12	6	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	8549	36354	14	14	1	6	-	-	-	-	-	-	-	1	2	5	-	
3	Esher ( <i>part of</i> ) * -	6601	9221	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4373	13539	10	5	-	-	-	-	-	-	-	1	-	1	1	-	-	
40:1	Richmond <i>WH</i> -	2272	21302	16	13	3	4	-	-	-	-	-	-	-	1	3	2	-	
2	Mortlake -	2941	12331	7	4	2	-	-	-	-	-	1	-	-	-	-	-	-	
41:1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15669	31142	23	15	3	4	-	-	-	-	1	-	-	1	1	2	1	
2	Chislehurst( <i>pt. of</i> )* <i>WHH</i>	14307	15344	22	11	-	4	-	-	-	-	1	-	1	-	-	4	-	
42:1	Bexley <i>H</i> -	18437	24134	10	12	2	3	-	-	-	-	1	-	-	1	1	1	1	
2	Dartford ( <i>Ww, pts. of</i> )*†	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>w</i> -	11055	11685	6	3	-	2	-	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12089	4	8	1	2	-	-	-	-	1	-	-	-	-	-	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	4	7	-	3	-	-	-	1	-	-	-	-	-	2	-	
2	Uxbridge -	6173	3225	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14687	11523	10	8	2	3	-	-	-	-	-	-	-	1	1	4	-	
126:1	Isleworth <i>WHH</i> -	7008	22727	16	12	1	6	-	-	-	-	-	-	-	-	1	7	-	
2	Twickenham <i>H</i> -	2477	12479	6	5	1	2	-	-	-	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i> -	4345	27649	22	7	1	3	-	-	-	-	1	-	1	-	-	-	-	
4	Chiswick -	1340	15975	18	6	2	1	-	-	-	-	-	-	-	-	-	-	-	
5	Aston <i>wH</i> -	6083	22376	31	10	3	4	-	-	2	-	-	-	-	-	1	-	-	
127:1	Harrow <i>H</i> -	13809	12796	4	4	-	1	-	-	1	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i> -	6994	3749	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	30	25	6	8	-	-	-	-	1	-	-	-	-	-	-	
4	Hendon <i>W</i> -	8332	10434	9	10	1	3	-	-	-	-	-	-	-	-	-	4	-	
137:1	Bushey -	9331	6621	6	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W, pt. of</i> )* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138:1	South Mimms -	15799	6391	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5433	10092	4	2	1	1	-	-	-	-	1	-	-	-	-	-	-	
3	Finchley <i>HL</i> -	4638	17615	16	14	3	6	-	-	-	-	1	-	-	-	-	6	-	
135:1	Hatfield ( <i>part of</i> ) * -	3306	583	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i> -	3039	37078	25	17	6	3	-	-	-	-	1	-	-	-	-	-	-	
2	Tottenham <i>H</i> -	4642	46456	51	19	3	5	-	-	-	-	-	-	-	-	1	4	-	
3	Edmonton <i>Ww</i> -	7463	23463	28	8	1	4	-	-	-	-	-	-	-	-	-	3	-	
4	Enfield <i>WH</i> -	12653	19104	18	3	-	-	-	-	-	-	-	-	-	1	1	-	-	
5	Waltham Abbey -	11017	5263	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	3430	7735	5	3	-	-	-	1	-	-	-	-	-	-	-	-	-	
136:1	Stratford -	382	38006	23	17	5	3	-	-	1	2	3	-	-	-	-	-	-	
2	West Ham <i>wewwH†</i>	4055	90347	110	52	20	7	-	1	-	-	6	-	-	-	-	-	2	
3	East Ham -	3296	10706	22	16	2	2	-	-	-	1	2	-	-	-	-	1	-	
4	Leyton <i>WwL</i> -	4372	32430	46	18	4	7	-	4	-	-	-	-	-	-	-	7	-	
5	Walthamstow <i>H</i> -	6530	28869	41	12	2	1	-	-	-	1	-	-	-	-	-	-	1	
137:1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9659	12	4	1	-	-	-	-	1	-	-	-	-	-	-	-	
2	Epping ( <i>W, pt. of</i> )* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	5493	7645	10	3	-	1	-	-	-	-	-	-	-	-	1	-	-	
3	Barking Town -	4127	9203	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warringtonham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1813); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Norton in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139:1, the parish of Dagworth in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan

Asylum Hospital, Winchmore Hill (see Table 5).

§ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 1st March, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
ATER LONDON	448,334	5,758,500	20·4	2·0	2248	462	628	-	26	16	32	120	9	15	60	488	
INNER LONDON -	77,410	4,421,661	21·3	2·1	1803	368	505	-	19	14	24	97	8	12	52	423	
UTER RING -	370,924	1,336,839	17·4	1·7	445	94	123	-	7	2	8	23	1	3	8	65	

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0·622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,214,602 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
BUTTA -	433,219	January 11	-	258	31·0	4	-	-	-	1	72	64†	
BAY -	773,196	February 4	325	403	23·1	3	6	?	?	?	118	40†	
BRAS -	398,777	January 10	300	275	35·8	2	2	?	?	?	59	61†	
BRIS -	2,260,945	February 22	1209	1243	28·6	1	20	2	38*	16	17	41	
BRSLS (8 Faubourgs.)	477,288	" 22	241	210	22·9	-	2	-	-	4	-	14	
BRIS -	406,402	" 22	282	195	24·9	-	4	-	2	6	-	-	
BRIS -	203,486	" 22	171	104	26·5	-	-	-	2	2	-	1	
HAGUE -	156,497	" 22	112	57	18·9	-	-	-	-	1	1	-	
COPENHAGEN -	307,000	" 22	219	149	25·3	-	-	5	12	2	-	8	
STOCKHOLM -	228,218	" 15	146	102	23·2	-	-	9	8*	1	-	11	
CHRISTIANIA -	138,309	" 22	53	44	16·5	-	1	1	5	1	1	-	
PETERSBURG	924,106	" 8	-	526	29·7	-	13	29	3	3	12	42	
BERLIN -	1,526,887	" 8	971	630	21·5	-	8	7	25	17	2	34	
BRIS -	575,276	" 15	415	273	24·7	-	-	2	7*	4	4	29	
BRIS -	269,250	" 15	173	131	25·3	-	-	-	6*	-	1	16	
BRIS -	324,143	" 22	203	156	25·6	-	-	-	6*	1	-	4	
BRIS -	298,000	" 15	227	219	38·2	-	5	2	6*	2	1	13	
BRIS -	822,176	" 15	535	423	26·3	1	5	-	8	4	-	20	
BRIS -	314,425	" 15	-	178	29·5	-	1	4	5	5	1	6	
BRIS -	463,017	" 15	344	306	34·4	-	-	1	13	1	4	15	
BRIS -	160,092	" 22	96	138	44·8	-	4	1	2*	4	-	2	
BRIS -	409,692	December 21	275	252	32·1	-	-	-	2	-	12†	11	
BRIS (10 days) -	314,827	January 20	250	369	42·8	-	8	-	1	-	7	19	
BRIS -	156,515	February 8	96	97	32·3	13	-	-	-	-	3	5	
BRIS -	374,838	" 6	404	354	49·2	-	-	-	-	5	15	90	
BRIS -	231,396	" 6	234	253	57·0	1	-	-	2*	-	7	46	
BRIS -	1,595,547	" 8	-	765	25·0	-	10	10	34	12	9	18	
BRIS -	852,467	" 8	-	365	22·3	-	-	4	23	4	1	1	
BRIS -	1,064,277	" 8	-	461	22·6	-	5	3	19	2	13	6	
BRIS -	500,343	" 8	-	189	19·7	-	6	-	7	2	3	1	
BRIS -	254,000	" 1	-	119	24·5	-	-	-	1	-	3	9	

\* Including deaths from croup.

† Including 30 deaths from cholera in Calcutta, 7 in Bombay, and 3 in Madras.

‡ Including 10 deaths from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, MARCH 1st, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										TEMPERATURE.										Wind as deduced from Anemometers.										Rain collected
MONTH AND DAY.	Phases of the Moon.	BAROMETER.	Of the Air.				Difference between the Air Temperature and Dew Point.				Degrees on the Fahrenheit scale.	Of Radiation.		Of the Water of the Thames at Deptford.		General Direction.		Pressure on the Square Foot.		Robinson's.		Ozone.										
			High. est.	Low. est.	Daily Range.	Mean daily value.	De- parture from the average of 27 years.	Mean daily value.	Great. est.	Least.		High- est in Sun- shine.	Low- est in Grass.	A.M.	P.M.	Great. est.	Least.	Mean of the hour- ly Obs.	Horizontal Movement of the Air on each of 10 days.	Vertical Movement of the Air on each of 10 days.												
FEBRUARY.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.									
SUN.	23	30.468	43.8	31.2	12.6	35.6	0	0	0	88	74.5	26.7	39.1	33.1	NNE. & NE.	NE. & ENE.	lbs. 0.6	0.0	0.0	254	21	0.00	1.5									
MON.	24	30.359	47.2	29.7	17.5	37.8	1.2	7.0	0.0	96	88.0	23.8	38.6	37.5	NE. & NNE.	NE.	lbs. 1.3	0.0	0.0	189	120	0.00	0.0									
TUES.	25	30.286	42.8	33.6	9.2	37.4	2.9	6.2	0.0	89	77.0	30.8	40.6	39.3	NNE. & NE.	NNE. & NE.	lbs. 2.0	0.0	0.4	375	61	0.00	0.0									
WED.	26	First Qr.	30.120	42.9	38.0	38.6	4.4	9.8	0.5	84	48.8	34.8	41.0	39.4	NE.	NE.	lbs. 5.8	0.0	0.6	414	96	0.03	2.0									
THURS.	27		30.198	41.1	30.4	10.7	34.8	5.8	10.5	2.0	79	74.0	25.1	40.6	39.4	NSE. & N.	N.	lbs. 5.0	0.0	0.6	360	38	0.01	0.5								
FRI.	28		30.180	39.1	28.6	12.5	32.3	7.9	25.8	1.0	77	92.7	23.0	40.4	39.2	N.	N. & NW.	lbs. 1.8	0.0	0.2	270	56	0.00	1.5								
SAT.	1	Greatest Dec. N.	29.797	37.3	25.3	12.0	31.4	8.9	30.3	1.1	60	59.2	18.1	40.1	39.0	WSW. & SW.	SSW. & ENE.	lbs. 0.1	0.0	0.0	215	114	0.18	0.8								
MEANS			30.198	42.0	30.4	11.6	35.4	4.6	31.8	3.6	8.5	0.5	73.5	26.0	40.1	38.8	NE. & N.	..	..	Sum 2107	Sum -116	Sum	0.9									
No. of Col.			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	72						
<p>The height of the eastern of the barometer is 139 feet above the mean level of the sea; 110 feet above the mean level of the Thames at Deptford.</p> <p>Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.</p> <p>The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.</p> <p>In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.</p> <p>The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.</p> <p>The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: -P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.</p> <p>The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.</p> <p>The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.</p> <p>The reading of the barometer increased from 30.42 in. at the beginning of the week to 30.52 in. by noon on the 23rd of February; decreased to 30.09 in. by 3h. P.M. on the 26th; increased to 30.26 in. by 9h. A.M. on the 27th; decreased to 30.15 in. by 3h. P.M. on the same day; increased to 30.23 in. by noon on the 28th; decreased to 30.14 in. by 3h. P.M. on the 29th; and increased to 30.26 in. by noon on the 30th.</p>																																
DATE.		ELECTRICITY.		Registered, Sun above		Sunshine, Horizon.		GENERAL REMARKS.																								
FEBRUARY.		(For explanation of symbols, see Note.)		in hours.		in hours.																										
SUNDAY	23	m. P. generally	10.5	2.5	10.5	10.5	10.5	Cloudy in morning; fine afterwards; generally cloudless after 3h. P.M.																								
MONDAY	24	v. P. throughout	10.5	0.5	10.5	10.5	10.5	Cloudy generally. Slight rain in afternoon.																								
TUESDAY	25	v. P. throughout	10.6	2.4	10.6	10.6	10.6	Cloudy till 7h. A.M.; fine and bright till 11h. A.M.; overcast afterwards.																								
WEDNESDAY	26	v. P. generally; s. N. between 2h. and 3h. P.M.	10.7	0.0	10.7	10.7	10.7	Overcast. Shower shortly before 2h. P.M.; gusty wind in evening.																								
THURSDAY	27	v. P. generally; s. N. at times.	10.7	1.3	10.7	10.7	10.7	Variable; occasional snow showers.																								
FRIDAY	28	s. P. in morning; v. P. afterwards.	10.8	3.0	10.8	10.8	10.8	Fine in morning; cloudy with a little snow till night; cloudless after 10h. P.M.																								
SATURDAY	1	s. P. till 2h. P.M.; s. N. all the P.M.; w. P. afterwards.	10.8	0.0	10.8	10.8	10.8	Fine, bright, and clear in early morning; overcast during the remainder of the day, and snow fell frequently.																								
			Sum 9.7	Sum 74.6	Sum 75.0	Sum 75.0	Sum 75.0																									

The height of the column of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 3 h., 6 h., 9 h., P.M. and 3 h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer combined the corrected mean of the readings of the maximum and minimum thermometers, the mean daily value of temperature of the air is found (see p. 8). The mean daily low point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface at the end of one of the jetties of the Foreign Cattle Market at Deptford and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day or from midnight to midnight.

The reading of the barometer increased from 30.42 in. at the beginning of the week to 30.52 in. by noon on the 23rd of February; decreased to 30.09 in. by 3 h. P.M. on the 26th; increased to 30.25 in. by 6 h. A.M. on the 27th; decreased to 30.15 in. by 3 h. P.M. on the same day; increased to 30.23 in. by noon on the 28th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 29th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 30th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 31st; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 1st of March; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 2nd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 3rd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 4th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 5th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 6th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 7th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 8th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 9th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 10th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 11th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 12th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 13th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 14th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 15th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 16th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 17th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 18th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 19th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 20th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 21st; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 22nd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 23rd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 24th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 25th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 26th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 27th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 28th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 29th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 30th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 31st; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 1st of April; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 2nd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 3rd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 4th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 5th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 6th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 7th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 8th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 9th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 10th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 11th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 12th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 13th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 14th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 15th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 16th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 17th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 18th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 19th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 20th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 21st; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 22nd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 23rd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 24th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 25th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 26th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 27th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 28th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 29th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 30th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 31st; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 1st of May; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 2nd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 3rd; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 4th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 5th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 6th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 7th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 8th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 9th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 10th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 11th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 12th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 13th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 14th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 15th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 16th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 17th; decreased to 29.74 in. by 3 h. P.M. on the same day; increased to 29.83 in. by noon on the 18th;

DATE.		ELECTRICITY. (For explanation of Sunshine, Horizon, symbols, see Note.)		Registered Sun Shine, Horizon, in hours, in hours.		GENERAL REMARKS.
FEBRUARY.						
SUNDAY	23	m. P. generally	2.5	10.5	Cloudy in morning; fine afterwards; generally cloudless after 3h. P.M.	
MONDAY	24	v. P. throughout	0.5	10.5	Cloudy generally. Slight rain in afternoon.	
TUESDAY	25	v. P. throughout	2.4	10.6	Cloudy till 7h. A.M.; fine and bright till 1h. A.M.; overcast afterwards.	
WEDNESDAY	26	v. P. generally; s. N. between 2h. and 4h. P.M.	6.9	10.7	Overcast. Shower shortly before 2h. P.M.; gusty wind in evening.	
THURSDAY	27	v. P. generally; s. N. at times.	1.3	10.7	Variable; occasional snow showers.	
FRIDAY	28	s. P. in morning; v. P. afterwards.	3.0	10.8	Fine in morning; cloudy with a little snow till night; cloudless after 10h. P.M.	
MARCH.						
SAUNDAY	1	s. P. till 2h. P.M.; s. N. till 7h. P.M.; w. P. afterwards.	0.0	10.8	Fine, bright, and clear in early morning; overcast during the remainder of the day, and snow fell frequently.	
			Sum 9.7	Sum 74.6		

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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General Register Office, Somerset House,  
10th March, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 26·6 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.		Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.
Birkenhead	23·8	19·9	22·3	22·8	Liverpool -	31·0	30·2	29·5	30·2
Birmingham	30·6	27·0	23·1	27·8	London -	21·3	21·8	21·3	22·3
Blackburn -	23·2	30·4	36·3	38·8	Manchester -	38·6	35·3	40·8	45·6
Bolton -	33·8	30·6	43·7	40·1	Newcastle-on-Tyne	28·2	25·9	28·5	29·4
Bradford -	22·3	30·6	34·9	32·7	Norwich -	24·1	26·8	29·0	25·2
Brighton -	22·8	14·8	18·1	20·7	Nottingham -	24·1	25·1	21·3	21·9
Bristol -	37·5	25·6	27·2	26·5	Oldham -	30·9	33·4	30·9	26·3
Cardiff -	24·5	18·7	16·5	19·2	Plymouth -	34·4	23·8	23·8	31·1
Derby -	21·7	18·6	24·8	22·2	Portsmouth -	23·0	24·1	22·3	22·6
Halifax -	26·7	29·2	29·9	35·0	Preston -	27·8	37·7	43·1	38·7
Huddersfield	26·0	24·9	26·6	28·2	Salford -	26·0	28·0	28·8	33·1
Hull -	25·1	23·9	21·5	22·7	Sheffield -	27·3	32·0	35·1	38·7
Leeds -	30·1	29·4	36·5	29·5	Sunderland -	27·5	26·0	26·4	24·4
Leicester -	24·7	23·3	17·9	22·6	Wolverhampton -	33·1	33·8	35·6	39·4

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·4 in Sheffield, 1·7 in Salford, 2·2 in Bristol and 2·7 in Bolton; from *measles*, 1·0 in Liverpool, 1·1 in Manchester, and 1·6 in Norwich; and from *scarlet fever*, 1·1 in Sunderland and 1·4 in Sheffield. In none of the twenty-eight towns did the death-rate from "*fever*" reach 1·0 per 1000. The 33 deaths from *diphtheria* in these towns included 19 in London, 2 in Liverpool, 2 in Bolton, 2 in Sheffield, and 2 in Newcastle-upon-Tyne. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2536 BIRTHS and 1889 DEATHS were registered. Allowing for increase of population, the births were 419 below, while the deaths exceeded by 8, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21·3, 21·8, and 21·3 in the three preceding weeks, rose again last week to 22·3. During the first ten weeks of the current quarter the death-rate averaged 24·8 per 1000, and was 2·0 per 1000 above the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1889 deaths included 35 from measles, 12 from scarlet fever, 19 from diphtheria, 95 from whooping-cough, 4 from enteric fever, 1 from an ill-defined form of continued fever, 9 from diarrhoea and dysentery, and not one from small-pox, typhus, or cholera; thus, 175 deaths were referred to these diseases, being 39 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 13; 4 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of an infant, aged seven months, in Fulham, was attributed to "chicken-pox, diarrhoea." The deaths from *measles*, which had been 14 and 19 in the two preceding weeks, further rose last week to 35, being, however, 10 below the corrected average; 3 belonged to Paddington, 3 to Pancras, 8 to Islington, 4 to St. Luke, and 5 to St. Saviour sanitary areas. The fatal cases of *scarlet fever*, which had been 14, 13, and 14 in the three preceding weeks, declined last week to 12, and were but half the corrected average; 2 belonged to Kensington, 2 to Poplar, and 2 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1187 scarlet fever patients at the end of the week, against numbers declining from 1609 to 1222 in the nine preceding weeks; 53 cases were admitted to these hospitals during the week, against 63, 89, and 88 in the three preceding weeks. The deaths from *diphtheria*, which had been 39, 27, and 24 in the three previous weeks, further declined last week to 19, but still exceeded the corrected average by 4; 3 (including 2 in one house in Seymour Street) belonged to Pancras and 2 to Islington sanitary areas. The deaths from *whooping-cough*, which had declined from 115 to 97 in the three preceding weeks, were 95 last week, and were 9 above the corrected average; 7 belonged to Pancras, 5 to Shoreditch, 5 to Rotherhithe, 6 to Battersea, and 12 to Camberwell sanitary areas. The deaths attributed to *diarrhoea* and *dysentery*, which had been 21 and 12 in the two previous weeks, further declined last week to 9, and were 5 below the corrected average.

The deaths referred to *enteric fever*, which had declined from 12 to 7 in the three preceding weeks, further fell last week to 4, being 10 below the corrected average; 2 belonged to Poplar sanitary area. The Metropolitan Asylum Hospitals contained 54 cases of enteric fever and not one of typhus on Saturday last; 8 cases of enteric fever were admitted during the week, against 2, 6, and 9 in the three preceding weeks.

The deaths primarily attributed to *influenza*, which had declined from 127 to 23 in the seven preceding weeks, numbered 24 last week; of which 8 occurred in the West, 5 in the North, and 5 in the South groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had increased from 439 to 492 in the three previous weeks, further rose to 510, and exceeded the corrected average by 7.

Different forms of violence caused 65 deaths, concerning all but 2 of which inquests were held. Of these 65 deaths, 2 were cases of suicide, and 3 of murder or manslaughter, while the remaining 60 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 9 by burns or scalds, 2 by poison, 1 by drowning, and 23 (including 20 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3348 births and 2357 deaths were registered, corresponding to annual rates of 30·3 and 21·3 per 1000 of the estimated population. In the Outer Ring 21 deaths from whooping-cough, 8 from measles, and 7 from diphtheria were registered. The fatal cases of whooping-cough included 4 in Croydon, 4 in West Ham, and 3 in Willesden sub-districts. Four deaths from measles were returned in Tottenham sub-district, and 2 from diphtheria in that of West Ham.

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Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during February will be found on pages 97-98.

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## METEROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·81 ins.; the highest reading was 30·32 ins. on Monday at noon, and the lowest 29·22 ins. at the end of the week. The mean temperature of the *air* was 36°·4, and 4°·2 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on the first four days of the week, the deficiency on Tuesday being as much as 15°·6, while it exceeded the average on the other days of the week. The direction of the *wind* was variable, and the horizontal movement of the air averaged 17·9 miles per hour, which was 3·9 miles above the average in the corresponding weeks of 16 years. *Rain* and snow fell on five days of the week to the aggregate amount of 0·33 of an inch. The duration of registered bright sunshine in the week was 12·1 hours, against 24·0 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of FEBRUARY 1890; according to their returns 159,851,698 gallons or 726,279 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 211 gallons (95·9 decalitres), being rather less than a *ton* by weight, to each house, and, assuming 7·8 persons to each house, 27·0 gallons (12·3 decalitres) to each person, against 26·8 gallons during February 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	FEBRUARY. 1889.	FEBRUARY. 1890.	FEBRUARY. 1889.	FEBRUARY. 1890.
<b>TOTAL SUPPLY</b> . . . . .	747,598	759,259	156,558,624	159,851,698
From Thames . . . . .	360,153	366,070	77,231,638	79,095,922
From Lea and from other Sources . . . . .	387,445	393,189	79,326,986	80,755,776
<b>THAMES.</b>				
Chelsea . . . . .	34,823	35,267	8,986,578	9,244,460
West Middlesex . . . . .	71,095	72,573	14,064,878	14,983,912
Southwark and Vauxhall . . . . .	110,572	111,865	21,822,456	21,750,954
Grand Junction . . . . .	55,161	55,949	16,030,626	16,457,596
Lambeth . . . . .	88,502	90,416	16,327,000	16,659,000
<b>LEA AND OTHER SOURCES.</b>				
New River . . . . .	151,949	153,199	28,514,000	30,070,000
East London . . . . .	163,796	166,519	39,753,196	39,352,924
Kent . . . . .	71,700	73,471	11,059,790	11,362,862

*Note.*—The Return for February 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,661 houses, and of 3,293,074 gallons of water supplied daily.

## ANALYSIS OF METROPOLITAN WATER SUPPLY DURING FEBRUARY.

*Water-analysis Laboratory, The Yews, Reigate,  
28th February, 1890.*

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of February.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0·4, Colne Valley 1·9, Tottenham 2·0, New River 2·6, Southwark 3·1, Chelsea and Lambeth 3·5, East London 3·8, Grand Junction 4·1, and West Middlesex 5·0.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, with the exception of that delivered by the West Middlesex and Grand Junction Companies, of much better quality than that supplied in January, when organic impurity was present in abnormal quantity. The water was in every case efficiently filtered.

The water obtained chiefly from the River Lea by the New River and East London Companies, though better on the average than Thames water, exhibited no corresponding improvement in comparison with the January supply. It was efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were of their usual high degree of organic purity, the Kent Company's supply being again especially distinguished in this respect. The Tottenham water showed a large increase in nitrates, chlorine, and hardness. These waters do not require filtration; they were all clear



and bright. That of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances:—Kent, Colne Valley, and Tottenham, clear and colourless; New River and Southwark, clear and very pale yellow; the remaining waters clear and pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and bluish-green in the two-foot tube. The organic matter was very much less than in last month's sample, and its physical characters were superior."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. The chlorine is unusually high."

I am, &c.

E. FRANKLAND.

The Registrar General, &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.		Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.										
	Chelsea - - -	February 10th, Cab Rank, Horse Guards, Whitehall.	5·7	32·50	·159	·048	0	·268	·316	1·8	21·8
	West Middlesex -	February 10th, Cab Rank, Portland-road.	5·7	32·50	·252	·041	0	·286	·327	1·8	21·8
	Southwark - - -	February 10th, Cab Rank, Bricklayers Arms, Old Kent-road.	5·7	33·80	·152	·031	0	·269	·300	1·7	23·9
	Grand Junction -	February 10th, Cab Rank, Uxbridge-road, near Marble Arch.	4·8	35·70	·201	·041	0	·300	·341	1·7	23·6
	Lambeth - - -	February 10th, Cab Rank, St. George's- road, Southwark.	5·6	33·80	·169	·040	0	·319	·359	1·8	23·9
	LEA.										
Outer Circle.	New River - - -	February 10th, Cab Rank, Tottenham Court-road.	5·4	32·14	·123	·028	0	·297	·325	1·7	23·6
	East London - -	February 10th, Fire Brigade Station, Commercial-road, E.	5·0	33·24	·186	·040	0	·293	·333	1·9	26·9
	DEEP WELLS.										
	Kent - - - - -	February 10th, Mill Lane, Deptford.	11·7	42·62	·018	·007	0	·454	·461	2·5	30·8
	Colne Valley - -	February 17th, Bushey.	—	21·44	·093	·019	·010	·464	·491	2·2	8·6
	Tottenham - - -	February 13th, Tottenham.	—	54·00	·097	·019	·025	·846	·886	3·7	30·3
	Corporation of Birming- ham* - - -	February 3rd, 11, Edmund-street,	12·2	30·76	·142	·016	·001	·352	·369	1·9	115·3
	Corporation of Glasgow†.	February 17th, Loch Katrine Water.	4·3	2·70	·134	·040	0	·003	·043	8·5	1·03
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to read thus:—the Chelsea Company's water, collected on the 10th February, at the Horse Guards cab-rank, had a temperature of 5°·7 C.; 100,000 lbs. of it contained 32·50 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·159 lb. of carbon and ·048 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·268 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·316 lb. The above quantity of water also contained 1·8 lbs. of chlorine; and 21·8 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 8th March, 1890.

CITIES AND BOROUGH, 1880.	POPULATION estimated middle of the Year 1880.*				Registered during the Week ending 8th Mar., 1890.				The DEATHS registered in the Week include														TEMPERATURE OF THE AIR.						RAINFALL.		CITIES AND BOROUGH, 1880.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	From All Week's Deaths Causes.	Annual Rate per 1000, corresponding to the Week's Deaths Causes.	Lowest.			Mean.			In Inches.	In Centi- metres.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
																			Births.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.			Deaths.	Deaths.	Deaths.	Deaths.		Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	Deaths.	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\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the Tenth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2848	2831	2740	2480	2754	2737	2697	2728	2583	2698	2954·7	2536
Males . .	1492	1450	1359	1304	1411	1367	1389	1369	1375	1361	1513·2	1325
Females .	1356	1381	1381	1176	1343	1370	1308	1359	1208	1337	1441·5	1211
<b>TOTAL Deaths</b>	1442	1590	1793	1648	1639	1678	2285	1649	1886	1637	1880·7	1889
Males . .	737	796	893	882	832	854	1122	843	928	828	950·3	978
Females .	705	794	900	766	807	824	1163	806	958	809	930·4	911

\* The numbers in this column are the average weekly numbers in the tenth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.
<b>TOTAL Births</b>	2535	2513	1815	2961	2818	2714	2510	2699	2707	2793	2702	2561	2536
<b>TOTAL Deaths</b>	1768	1816	1690	2371	2747	2720	2227	1849	1749	1809	1847	1802	1889
<b>Ages at Death</b>													
{ 0-20 years	719	723	651	834	939	909	775	703	714	763	753	739	798
{ 20-40 "	227	216	220	346	367	450	349	232	238	218	256	234	226
{ 40-60 "	312	348	332	541	670	666	510	369	334	357	363	324	348
{ 60-80 "	418	424	396	552	640	576	503	390	363	390	374	418	428
{ 80 years & upwards	92	105	91	98	131	119	90	105	100	81	101	87	89
<b>" Under 1 year</b>	375	364	326	398	430	415	386	350	372	352	393	367	394
<b>" 1-5</b>	247	261	322	310	375	344	294	250	254	306	259	263	294
<b>" 5-20</b>	97	98	93	126	134	150	95	103	88	105	101	109	110
<b>Deaths from Small-pox</b>	30	35	29	36	24	24	21	11	8	21	14	19	35
" " Scarlet fever	12	22	14	15	13	22	10	14	19	14	13	14	12
" " Diphtheria	35	27	26	32	26	22	22	24	24	89	27	24	19
" " Whooping-cough	49	60	67	98	112	104	82	67	91	115	103	97	95
" " Typhus	1	1	2	1	1	1	1	1	1	1	1	1	1
" " Enteric fever	15	12	13	12	11	14	10	9	2	12	8	7	4
" " Simple Cont'd fever	1	1	1	1	1	1	1	1	1	1	1	1	1
" " Diarrhoea and Dysentery	14	13	19	10	12	6	14	9	4	6	21	12	9
" " Cholera	1	1	1	1	1	1	1	1	1	1	1	1	1
" " all the above-mentioned Diseases	155	170	170	203	199	193	160	134	148	208	188	174	175
" " Dis. of Respiratory System	552	518	467	843	1069	1010	736	550	485	439	452	492	510
" " Phthisis	182	161	180	247	267	312	239	220	209	215	218	224	206
" " Dis. of Circulatory System	163	189	158	222	275	209	193	116	154	143	162	146	163
<b>Violent Deaths</b>	55	69	47	91	55	65	60	62	58	56	77	52	65
<b>Inquest Cases</b>	124	156	121	195	192	171	142	127	125	137	143	134	120
<b>Deaths in Public Institutions</b>	422	419	400	494	534	626	491	471	401	436	434	425	406
<b>TEMPERATURE OF THE AIR</b>													
Mean	38·1	43·5	39·8	32·8	47·6	45·5	42·7	42·9	37·1	35·9	39·4	35·4	36·4
Mean of Highest readings	42·5	47·3	44·0	36·7	52·4	50·6	48·4	48·3	42·7	41·7	43·9	42·0	43·6
Mean of Lowest readings	31·9	38·1	35·2	28·5	43·0	39·4	36·9	38·2	32·0	30·8	35·9	30·4	29·0
<b>Humidity of the Air</b>	92	94	90	97	89	86	84	90	89	87	89	87	69
<b>Rain-fall in inches</b>	0·23	0·33	0·61	0·11	0·40	0·13	0·77	0·73	0·05	0·88	0·04	0·22	0·33
<b>Registered Sunshine (in hours)</b>	4·4	2·1	3·2	5·0	10·1	7·3	14·9	8·9	9·5	31·2	12·4	9·7	12·1

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; E. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsborough, Esq., F.R.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the Tenth Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 10th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 8th March 1890.										CAUSES OF DEATH.	Corrected Averages for the 10th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 8th March 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.		40 and under 60.		60 and under 80.				80 Years and upwards.		ALL AGES.	Under 20.			20 and under 40.		40 and under 60.	
CAUSES	1880-7	1889	394	294	110	226	348	428	89			CAUSES	1880-7	1889	394	294	110	226	348	428	89		
{ Vaccinated† Unvaccinated No Statement	12.8	-	-	-	-	-	-	-	-			Diseases of Organs of Special Sense † -	1.9	6	-	3	2	-	-	-	1		
		-	-	-	-	-	-	-	-	-			Diseases of Circulatory System -	139.8	163	2	3	10	16	45	77	10	
Scarlet Fever	45.3	35	5	27	2	1	-	-	-			Croup -	13.0	11	2	7	2	-	-	-	-		
Diphtheria	23.6	12	1	6	4	1	-	-	-			Brachitis -	319.0	327	69	47	3	11	54	119	24		
Erysipelas	1.0	-	-	-	-	-	-	-	-			Pneumonia -	120.4	119	17	40	4	20	21	17	-		
Typhoid Fever †	0.0	-	-	-	-	-	-	-	-			Pleurisy -	5.7	6	-	1	-	2	2	1	-		
Measles	0.1	24	2	2	1	4	7	8	-			Other Diseases of Respiratory System -	45.0	47	3	8	2	5	17	11	1		
Croup	86.3	95	37	55	3	-	-	-	-			Dentition † -	18.3	11	7	4	-	-	-	-	-		
Scarlet Fever	15.3	19	-	10	8	1	-	-	-			Quinsy, Sore Throat † -	1.6	4	2	1	-	-	-	-	1		
Erysipelas	1.4	1	-	-	-	1	-	-	-			Enteritis -	7.5	6	4	-	-	-	-	-	-		
Typhoid Fever	14.2	4	-	-	2	1	1	-	-			Peritonitis -	7.1	7	2	-	2	3	-	-	-		
Measles	0.2	-	-	-	-	-	-	-	-			Diseases of Liver -	33.3	29	2	-	1	8	7	11	-		
Scarlet Fever	14.1	9	5	1	-	-	-	-	3			Other Diseases of Digestive System -	29.4	20	4	1	3	3	5	4	-		
Erysipelas	0.3	-	-	-	-	-	-	-	-			Diseases of Lymphatic System & of Ductless Glands † -	1.7	2	-	1	-	1	-	-	-		
Typhoid Fever	0.0	-	-	-	-	-	-	-	-			Diseases of Urinary System -	43.8	49	1	-	2	9	19	18	2		
Measles	0.0	-	-	-	-	-	-	-	-			Diseases of Generative System -	5.3	3	-	-	-	-	2	1	-		
Scarlet Fever	0.3	-	-	-	-	-	-	-	-			Accidents of Childbirth -	4.6	7	-	-	-	6	1	-	-		
Erysipelas	13.0	14	10	1	-	-	1	2	-			Diseases of Locomotive System † -	6.4	5	-	-	2	-	1	2	-		
Typhoid Fever	4.1	8	2	-	-	-	2	3	1			Diseases of Integumentary System -	7.2	9	1	3	1	1	-	3	-		
Measles	3.6	2	-	-	-	-	-	2	-			VIOLENT DEATHS.‡											
Scarlet Fever	6.8	6	-	-	1	5	-	-	-			(ACCIDENT.)											
Zymotic Diseases †	2.0	3	3	-	-	-	-	-	-			Fracture and Contusion	20.7	22	1	2	3	1	6	7	2		
	1.2	1	1	-	-	-	-	-	-			Gunshot Wound -	0.1	-	-	-	-	-	-	-	-		
	0.0	-	-	-	-	-	-	-	-			Cut, Stab -	0.4	-	-	-	-	-	-	-	-		
	1.6	1	1	-	-	-	-	-	-			Burn and Scald -	8.0	9	1	4	1	-	2	-	1		
	6.0	6	-	-	-	2	3	1	-			Poison -	1.0	2	-	-	-	3	-	-	-		
	7.2	7	-	-	2	4	-	1	-			Drowning -	3.7	1	-	-	1	-	-	-	-		
	3.5	4	-	-	-	1	2	1	-			Suffocation -	15.4	23	20	2	1	-	-	-	-		
	3.3	2	-	-	-	-	-	1	1			Otherwise -	2.2	3	2	-	-	-	-	-	-		
	5.5	7	4	3	-	-	-	-	-			(HOMICIDE.)											
	52.3	63	-	-	8	3	32	24	1			Murder & Manslaughter	1.9	3	1	-	1	-	-	1	-		
	24.0	15	6	7	1	1	-	-	-			(SUICIDE.)											
	31.4	26	7	12	7	-	-	-	-			Gunshot Wound -	0.8	-	-	-	-	-	-	-	-		
	184.9	206	3	5	21	94	71	12	-			Cut, Stab -	1.2	1	-	-	-	-	-	1	-		
	18.9	18	4	8	4	-	1	1	-			Poison -	2.1	-	-	-	-	-	-	-	-		
	11.8	11	1	-	-	-	4	6	-			Drowning -	1.0	-	-	-	-	-	-	-	-		
	39.3	46	46	-	-	-	-	-	-			Hanging -	0.9	1	-	-	-	-	-	-	1		
	3.0	1	1	-	-	-	-	-	-			Otherwise -	0.2	-	-	-	-	-	-	-	-		
	7.2	6	5	-	1	-	-	-	-			(EXECUTION.)											
	67.1	47	-	-	-	-	1	21	25			Hanging -	0.0	-	-	-	-	-	-	-	-		
	54.4	58	-	1	1	4	17	27	8			OTHER CAUSES † -	69.9	62	50	7	-	-	1	3	1		
	8.9	5	-	-	1	3	-	1	-														
	56.9	57	52	4	1	-	-	-	-														
Diseases of Brain & Nervous System	103.8	112	7	18	7	11	22	40	7														

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. The ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used. The cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical man, the case is returned under the heading "not stated." The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 2. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, TYPHUS, ENTERIC (OR TYPHOID) FEVER, SIMPLE CONTINUED FEVER, DIARRHOEA, VIOLENCE, INQUEST CASES, and DEATHS IN PUBLIC HOUSES, during the Week ending

		The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enu- mer- ated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of					Deaths from										Inquest Cases.	Deaths in Public Houses.
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.					
LONDON		3,815,704	2536	1889	394	517	-	35	12	19	95	-	4	1	9	65	120	40			
West Districts		668,633	381	305	52	97	-	5	2	2	14	-	1	-	2	6	10	6			
North Districts		905,947	593	416	96	110	-	14	2	8	12	-	-	1	1	17	40	8			
Central Districts		582,238	136	124	14	34	-	6	-	4	4	-	-	-	1	7	9	3			
East Districts		692,738	486	368	77	95	-	1	3	1	20	-	3	-	1	18	35	10			
South Districts		1,365,148	940	676	155	181	-	9	5	4	45	-	-	-	4	17	26	11			
METROPOLITAN ASYLUM FOR FETALS OUTSIDE REGISTRATION LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WEST DISTRICTS.																					
St. Mary Paddington WHH G.J. & W.M.		68844	48	35	4	15	-	2	-	-	2	-	-	-	-	1	2	2			
St. John Paddington H - G.J.		37339	8	17	2	4	-	1	-	-	1	-	-	-	-	2	2	8			
Kensington Town Ww - W.M.		120141	59	54	10	18	-	-	-	1	3	-	-	-	-	-	-	20			
Brompton H - W.M. & C.		43010	18	10	2	4	-	-	-	-	1	-	-	-	-	-	-	-			
St. Peter Hammersmith - W.M.		7599	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Paul Hammersmith H W.M. & G.J.		61340	31	32	9	8	-	-	-	1	2	-	-	-	-	1	1	1			
Fulham Ww - W.M. & C.		42900	56	40	8	14	-	-	2	-	-	-	-	-	2	1	2	12			
Chelsea South HHH - C.		20386	26	13	1	5	-	-	-	-	-	-	-	-	-	-	-	1			
Chelsea North-west WHHHH C.		24295	20	15	-	5	-	-	-	-	-	-	-	-	-	1	2	5			
Chelsea North-east C.		32807	19	15	3	5	-	-	-	-	2	-	-	-	-	-	-	-			
May Fair WW - G.J.		30353	5	13	1	4	-	2	-	-	-	-	-	-	-	-	-	5			
Belgrave WHHH - C.		59220	23	26	4	9	-	-	-	-	1	-	-	-	-	1	1	10			
St. John Westminster HHH - C.		38498	23	9	3	1	-	-	-	-	2	-	-	-	-	-	-	-			
St. Margaret Westminster H - C.		24679	7	7	2	1	-	-	-	-	-	-	-	-	-	-	-	2			
St. James Westminster WHH N.R. & G.J.		29941	10	12	1	3	-	-	-	-	-	1	-	-	-	-	-	-			
St. Anne Soho HHHHHH - N.R.		18603	4	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-			
NORTH DISTRICTS.																					
All Souls Marylebone HHHHH W.M.		26759	14	17	1	2	-	-	-	-	-	-	-	-	-	1	2	10			
Cavendish Square HHHH - W.M.		14391	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Rectory Marylebone WH G.J. & W.M.		24809	10	7	3	2	-	-	-	-	-	-	-	-	-	-	-	-			
St. Mary Marylebone HHH G.J. & W.M.		21118	32	9	5	-	-	-	-	-	-	-	-	-	-	1	-	-			
Christchurch Marylebone HH - W.M.		33700	26	15	3	3	-	1	-	1	-	-	-	-	-	1	3	1			
St. John Marylebone H - W.M.		33633	21	14	3	4	-	-	-	-	-	-	-	-	-	1	2	-			
Hampstead Ww/HHH N.R. & W.M.		45452	32	16	3	3	-	2	-	1	-	-	-	-	1	1	4	-			
Regent's Park Paneras H - W.M.		89115	20	15	4	2	-	1	-	-	-	-	-	-	-	-	-	-			
Tottenham-court WHHHH N.R. & W.M.		27729	12	12	4	1	-	-	1	1	-	-	-	-	2	2	6	-			
Gray's Inn Lane HHH - N.R.		30247	13	8	1	5	-	-	-	1	1	-	-	-	1	1	4	-			
Somers Town H - N.R.		34389	21	19	6	5	-	-	-	2	2	-	-	-	-	-	-	-			
Camden Town WH - N.R.		17311	11	23	3	8	-	-	-	-	1	-	-	-	2	4	15	-			
Kensington Ww - N.R.		87457	59	33	9	9	-	1	-	-	2	-	-	-	2	3	5	-			
Upper Holloway Ww/H - N.R.		67946	39	53	7	19	-	1	-	-	1	-	-	-	2	7	17	-			
Islington South-west HH - N.R.		100976	76	47	18	8	-	4	-	1	-	-	-	1	-	1	5	-			
Islington South-east - N.R.		61825	41	21	6	7	-	-	-	1	-	-	-	-	1	1	2	-			
Highbury H - N.R.		52048	23	23	3	9	-	2	-	2	-	-	-	-	-	-	-	-			
Stoke Newington H - N.R.		22731	9	7	-	4	-	-	-	1	-	-	-	-	-	-	-	-			
Stamford Hill - E.L.		9277	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
West Hackney H - N.R.		37610	18	15	7	4	-	1	-	-	-	-	-	-	-	1	2	1			
Hackney Ww/H - E.L. & N.R.		76911	51	45	4	16	-	-	1	1	-	-	-	-	1	1	3	18			
South Hackney - E.L.		39883	29	15	8	2	-	-	-	-	2	-	-	-	-	1	1	-			
CENTRAL DISTRICTS.																					
St. George Bloomsbury - N.R.		16681	6	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-			
St. Giles South WH - N.R.		14384	7	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-			
St. Giles North - N.R.		18337	6	3	1	-	-	-	-	-	-	-	-	-	-	-	1	5			
St. Martin-in-the-Fields HH N.R. & C.		17509	5	9	1	6	-	-	-	-	-	-	-	-	-	-	-	-			
St. Mary-le-Strand H - N.R.		7615	2	1	-	-	-	-	-	-	-	-	-	-	1	1	1	1			
St. Clement Danes H - N.R.		8559	5	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
Strand Union Workhouse, Edmonton w.		-	2	2	-	2	-	-	-	-	-	-	-	-	-	1	1	4			
St. Geo. the Martyr HHHHHH N.R.		18571	8	15	1	2	-	1	-	-	-	-	-	-	-	-	-	7			
St. Andrew Eastern W - N.R.		10706	9	5	-	3	-	-	-	-	-	-	-	-	-	-	-	3			
Bedford Hill H - N.R.		6532	2	2	1	-	-	-	-	-	-	-	-	-	-	1	1	3			
St. James Clerkenwell - N.R.		17516	7	5	1	2	-	-	-	-	1	-	-	-	-	-	-	-			
Ampwell Clerkenwell - N.R.		19281	6	6	2	2	-	1	-	-	-	-	-	-	-	-	-	-			
Pentonville - N.R.		14773	13	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-			
Goswell-street - N.R.		17503	11	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
Old-street H - N.R.		11541	9	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
City-road HHL - N.R.		18623	17	15	1	3	-	2	-	1	-	-	-	-	1	1	1	3			
Whitecross-street - N.R.		9217	7	4	2	-	-	2	-	-	-	-	-	-	-	-	-	-			
Finsbury - N.R.		7463	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-			
Holborn Union Workhouse, Mitcham, w.		-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. Botolph H - N.R. & E.L.		11174	2	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-			
Cripplegate - N.R.		7193	1	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-			
St. Sepulchre H - N.R.		5353	3	12	-	3	-	-	-	3	-	-	-	-	-	2	2	10			
St. Bride W - N.R.		8396	4	2	-	1	-	-	-	-	-	-	-	-	-	1	1	-			
Allhallows Barking - N.R.		13666	2	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street H - N.R.		5652	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—V. house; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establish receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Companies which supply the different sub-districts:—G. J. signifi Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. South and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

FEVER, DIPHTHERIA, WHOOPING-COUGH, MEASLES, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
Saturday, 8th March, 1890.

The DEATHS registered in the Week include:																
REGISTRATION SUB-DISTRICTS.	Enu- me- rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of											Deaths in Public Institutions.	Uncertified Causes of Death.
				Infants under 1 Year of Age.	Persons aged 50 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.		
EAST DISTRICTS.																
Holywell Shoreditch	N.R. & E.L.	7376	6	3	1	1	-	-	-	-	-	-	-	-		
St. Leonard Shoreditch	N.R.	14967	9	6	1	1	-	-	-	-	-	-	-	1		
Hoxton New Town	N.R.	29937	31	20	2	10	-	-	-	-	-	-	-	9		
Hoxton Old Town	N.R.	28936	15	16	3	2	1	-	-	-	-	-	-	3		
Haggerston	N.R. & E.L.	46275	29	21	3	1	-	-	1	-	-	-	-	4		
Bethnal Green North	H	51157	30	15	2	2	-	-	-	-	2	-	1	1		
Bethnal Green South	-	34399	23	9	1	2	-	-	-	-	1	-	1	1		
Bethnal Green East	WHL*	41405	22	31	2	8	-	-	-	-	-	-	1	18		
Spitalfields	E.L. & N.R.	22585	12	9	2	3	-	-	-	-	-	-	1	2		
Mill End New Town	W	15473	19	16	1	9	-	-	-	-	-	-	1	3		
Whitechapel Church	H	17490	15	16	5	3	-	-	-	-	-	-	2	3		
Goodman's Fields	-	9713	2	1	-	-	-	-	-	-	-	-	-	12		
Algate	N.R. & E.L.	6102	4	1	1	-	-	-	-	-	-	-	1	1		
St. George's North	-	38747	34	18	6	4	-	-	-	3	-	-	1	2		
St. John, St. George East	W	8410	5	11	-	5	-	-	-	-	-	-	-	8		
Shadwell	H	10995	4	6	1	1	-	-	-	-	-	-	1	1		
Ratcliff	-	16107	12	7	5	1	-	-	-	-	-	-	1	4		
Limhouse	-	32041	20	14	5	1	-	-	-	-	-	-	1	-		
Mill End Old Town West	H	37960	28	13	4	4	-	-	-	-	-	-	2	-		
Mill End Old Town East	WHL & E.L.	67653	40	31	9	10	-	-	-	1	-	-	1	6		
Bow	L*	37074	28	17	4	3	-	-	1	-	2	-	1	3		
Bromley	WHL & H	64859	45	51	9	13	-	-	1	-	-	-	1	21		
Poplar	WHL	55077	44	36	11	11	-	-	-	1	2	-	3	3		
SOUTH DISTRICTS.																
Christchurch Southwark	WH	13663	12	17	2	3	-	5	-	-	1	-	1	2		
St. Saviour Southwark	-	14999	15	6	2	2	-	-	-	-	-	-	-	-		
Kent-road	-	21381	16	6	3	1	-	-	-	-	-	-	1	-		
Borough-road	WH	15953	13	10	3	3	-	-	-	-	-	-	2	-		
London-road	HL	21318	12	12	3	2	-	-	-	-	-	-	-	-		
Trinity Newington	-	26672	19	11	3	2	-	-	-	-	-	-	-	-		
St. Peter Walworth	W	59555	42	23	3	8	-	-	-	-	-	-	1	2		
St. Mary Newington	-	21623	27	11	5	3	-	-	-	-	-	-	-	2		
St. Olave	WH	11956	10	21	1	6	-	-	-	-	-	-	-	13		
Leather Market	-	16300	12	9	3	2	-	-	-	-	-	-	2	1		
St. Mary Magdalen	W	16669	14	9	3	2	-	-	-	-	-	-	1	-		
St. James Bermondsey	-	54682	28	17	3	5	1	-	-	-	-	-	1	3		
Rotherhithe	WH	36024	25	19	5	3	-	-	-	5	-	1	1	-		
Waterloo-road 1st	H	15195	13	8	1	1	-	-	-	-	-	-	-	1		
Waterloo-road 2nd	H	16361	15	5	2	-	-	-	-	-	-	-	-	-		
Lambeth Church 1st	H	19876	15	25	5	5	-	-	-	-	-	-	3	17		
Lambeth Church 2nd	WH	39859	27	26	3	8	-	-	1	-	-	-	-	11		
Kennington 1st	-	45232	39	19	3	6	-	-	-	-	1	-	-	1		
Kennington 2nd	-	35332	27	14	3	5	-	-	-	-	-	-	-	1		
Brixton	WHL	62837	39	31	6	12	-	-	1	-	-	-	1	1		
Norwood	W	19017	7	10	2	5	-	-	-	1	-	-	-	1		
East Battersea	-	54675	50	25	10	8	-	2	1	-	2	-	1	1		
West Battersea	WHL	52387	48	38	7	12	-	-	-	-	4	-	2	1		
Clapham	H	36380	23	12	1	4	-	-	-	-	-	-	-	-		
Wandsworth	WHL	28004	21	14	3	4	-	-	1	-	-	-	-	-		
Putney	-	13235	5	5	2	-	-	-	-	-	1	-	-	-		
Streatham	-	25553	21	11	2	3	-	1	-	-	1	-	-	-		
Dulwich	-	5590	2	1	-	1	-	-	-	-	-	-	-	-		
Camberwell	WHL & L*	39104	36	45	12	15	-	-	-	-	-	-	2	19		
Peckham	W	71089	51	41	10	14	-	-	-	-	-	-	1	3		
St. George Camberwell	-	50810	49	21	2	4	-	-	1	-	-	-	-	-		
St. Paul Deptford	WHL	76732	50	35	8	6	-	2	-	-	-	-	2	3		
St. Nicholas Deptford	-	7901	8	4	2	-	-	-	1	-	-	-	-	2		
Greenwich West	H	21972	11	10	1	6	-	-	-	-	-	-	-	-		
Greenwich East	WHL	24608	22	18	3	3	-	-	-	2	-	-	1	1		
Eltham	H	6048	2	-	-	-	-	-	-	-	-	-	-	-		
Lee	H	21559	7	10	1	5	-	-	-	1	-	-	-	-		
Lewisham	WH	19865	15	15	1	5	-	-	1	-	-	-	3	-		
Sydenham	H	26076	16	14	9	1	-	-	-	-	-	-	2	1		
Charlton	HH	10930	6	4	1	-	-	-	-	1	-	-	-	1		
Woolwich Dockyard	-	17617	12	10	5	2	-	-	-	1	-	-	-	-		
Woolwich Arsenal	HH	19048	14	13	3	6	-	-	-	-	-	-	-	1		
Plumstead, West	H	14009	11	7	1	2	-	-	-	1	-	-	-	-		
Plumstead, East	W	19241	33	14	7	3	-	-	-	2	-	-	3	3		
Metropolitan Asylum Hospitals:																
Dartford	W	-	-	-	-	-	-	-	-	-	-	-	-	-		
Winchmore Hill	W	-	-	-	-	-	-	-	-	-	-	-	-	-		

The following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page):—

Marylebone Infirmary in Kensington Town sub-district.  
Central London Sick Asylum in Tottenham Court sub-district.  
Holborn Infirmary in Upper Holloway sub-district.  
London City Workhouse in Hackney sub-district.  
Hulborn " in Hoxton New Town sub-district.  
Whitechapel " in Mile End Old Town Eastern sub-district.  
London City " in Mile End Old Town Eastern sub-district and Bromley sub-district.  
Stepney Workhouse in Bromley sub-district.  
Poplar & Stepney Sick Asylum " Westminster Union Industrial School in West Battersea sub-district.  
St. Saviour's Infirmary in Camberwell sub-district.  
Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.  
Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA ; POPULATION : BIRTHS and DEATHS registered during the Week ending Saturday, 8th March, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Aeres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include																
						Deaths of		Deaths from														
						Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.				
LONDON—OUTER RING						370,924	950,957	812	468	105	141	-	8	-	7	21	-	1	13	19	57	15
30:1	Carshalton <i>wL</i>	-	12228	21118	7	7	1	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-
2	Epsom (part of)* <i>WwH</i>	-	9971	10710	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37:1	Godstone (part of)*	-	2754	1235	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
38:1	Croydon <i>WwHML</i>	-	20851	101241	77	41	13	9	-	1	-	-	-	4	-	-	-	1	2	8	-	-
2	Mitcham <i>w</i> †	-	11697	17932	6	4	-	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-
39:1	Wimbledon <i>HHH</i>	-	3220	15950	12	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Kingston <i>WHH</i>	-	8549	36354	25	12	4	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-
3	Esher (part of)*	-	6601	9221	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
4	Hampton <i>H</i>	-	4873	13539	13	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40:1	Richmond <i>WH</i>	-	2272	21303	11	8	1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-
2	Mortlake	-	2941	12331	11	9	1	2	-	-	-	-	-	1	-	-	-	3	3	-	-	-
41:1	Bromley (pt. of)* <i>HH</i>	-	15669	81142	18	16	6	2	-	1	-	1	1	-	-	-	-	-	-	-	-	-
2	Chislehurst (pt. of)* <i>WHH</i>	-	14307	15844	10	7	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	1
42:1	Bexley <i>H</i>	-	18437	24134	15	14	2	6	-	-	-	-	-	2	-	-	-	-	-	-	-	2
2	Dartford ( <i>Ww</i> , pts. of)* †	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury <i>w</i>	-	11055	11685	5	6	-	4	-	-	-	-	-	-	-	-	-	1	1	1	-	-
2	Staines <i>W</i>	-	13277	12089	11	10	1	3	-	-	-	-	-	1	-	-	-	-	-	3	-	-
125:1	Hillingdon <i>WHH</i>	-	6029	10802	10	10	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-
2	Uxbridge	-	6178	3225	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Hayes <i>wHL</i>	-	14887	11523	5	3	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-
126:1	Isleworth <i>WHH</i>	-	7008	22727	16	8	2	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
2	Twickenham <i>H</i>	-	2477	12479	6	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Brentford <i>HL</i>	-	4345	27649	23	7	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Chislewick	-	1340	15975	9	13	3	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-
5	Acton <i>wH</i>	-	6083	22876	16	10	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
127:1	Harrow <i>H</i>	-	13809	12796	4	4	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-
2	Edgware <i>H</i>	-	6994	3749	3	3	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
3	Willesden	-	4383	27453	30	16	9	3	-	-	-	-	1	3	-	-	-	2	2	-	-	-
4	Hendon <i>W</i>	-	8382	10484	14	8	-	6	-	-	-	-	-	-	-	-	-	-	-	-	6	-
137:1	Bushey	-	9331	6621	6	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138:1	South Mimms	-	15199	6391	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Barnet	-	5133	10092	2	3	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Finchley <i>HL</i>	-	4638	17615	13	23	1	10	-	-	-	-	-	-	-	-	-	-	-	11	-	-
139:1	Hatfield (part of)*	-	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:2	Hornsey <i>H</i>	-	3039	37073	27	11	2	3	-	-	-	-	1	-	-	-	-	-	1	-	-	-
2	Tottenham <i>H</i>	-	4642	46456	76	32	7	7	-	4	-	-	-	2	-	-	-	-	-	1	1	1
3	Edmonton <i>Ww</i>	-	7433	23463	19	13	2	2	-	-	-	-	-	-	-	-	1	-	1	4	-	-
4	Enfield <i>WH</i>	-	12653	19104	15	9	1	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-
5	Waltham Abbey	-	11017	5363	6	4	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt	-	8430	7735	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136:1	Stratford	-	982	38906	27	16	6	3	-	-	-	-	-	2	-	-	-	1	1	-	-	1
2	West Ham <i>wowwH</i> †	-	4055	90347	102	58	15	14	-	1	-	2	4	-	-	-	-	1	1	-	-	4
3	East Ham	-	3296	10706	22	8	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Leyton <i>WwL</i>	-	4372	32430	34	24	4	11	-	-	-	-	-	-	-	-	-	-	1	7	3	-
5	Walthamstow <i>H</i>	-	6520	23369	40	19	1	6	-	-	-	-	-	-	-	-	-	1	1	1	-	-
137:1	Chigwell (part of)* <i>H</i>	-	11761	9689	14	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Epping ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:1	Romford (part of)* <i>W</i>	-	6730	3411	1	4	-	4	-	-	-	-	-	-	-	-	-	-	-	2	-	-
2	Ilford	-	3493	7645	9	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town	-	4127	9203	10	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 38:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 475); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).  
|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 8th March, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include															
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from											Deaths in Public Institutions.		
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.					
GREATER LONDON	448,334	5,758,500	21·3	1·9	2357	499	658	-	43	12	26	116	5	10	78	463					
INNER LONDON	77,410	4,421,661	22·3	2·1	1889	394	517	-	35	12	19	95	5	9	65	406					
OUTER RING	370,924	1,336,839	18·3	1·4	468	105	141	-	8	-	7	21	-	1	13	57					

NOTE.—The area of Greater London is 448,334 acres; of which 4,392 acres are tidal water and foreshore. This area is equal 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,214,602 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ALCUTT -	433,219	January 18	-	254	30·5	9	-	-	1	-	60	81†	
BOMBAY -	773,196	February 11	276	408	23·3	4	8	?	?	?	112	29†	
BRISBANE -	398,777	January 17	-	-	-	-	-	-	-	-	-	-	
BRISTOL -	3,260,945	March 1	1233	1214	27·9	4	23	2	45*	10	6	46	
BUSSELS (18 Faubourgs.)	477,288	" 1	258	193	21·3	-	3	-	2	12	1	15	
AMSTERDAM -	406,402	" 1	302	174	22·3	-	2	-	3	3	1	-	
ANTWERP -	203,486	" 1	132	107	27·0	-	-	-	-	12	1	1	
LA HAYE -	156,497	" 1	102	70	23·2	-	-	-	-	2	-	-	
COPENHAGEN -	307,000	" 1	202	145	24·6	-	-	2	11	4	-	5	
STOCKHOLM -	228,218	February 22	143	95	21·6	-	-	8	7*	-	-	5	
CHRISTIANIA -	138,300	March 1	71	60	22·6	-	2	5	3	-	-	1	
PETERSBURG -	924,106	February 15	-	476	26·9	-	15	25	3	1	5	34	
BERLIN -	1,526,887	" 15	959	651	22·2	-	2	8	20	17	1	47	
LEMBURG (State) -	575,276	" 22	467	292	26·5	-	1	1	8*	4	4	17	
ESSEN -	269,250	" 22	172	106	20·5	-	2	4	5*	-	-	4	
WESLAU -	324,143	March 1	215	175	28·7	-	-	1	6*	-	-	5	
BRISNICH -	298,000	February 22	199	191	33·3	-	6	-	2*	-	-	13	
BRUNNA -	822,176	" 22	558	412	26·1	3	4	1	3	1	3	24	
BRAGUE -	314,425	" 22	-	189	31·3	-	2	2	6	4	2	4	
DA-PRESTH -	463,017	" 22	357	311	34·9	-	1	-	8	-	4	23	
BRISTE -	160,092	March 1	96	106	34·4	-	4	-	2*	-	-	-	
BRISTE -	409,692	December 28	264	216	27·5	1	-	1	5	-	6†	16	
BRISTE (11 days) -	314,827	January 31	276	415	43·7	1	4	-	1	-	3	15	
BRISTE -	156,515	February 15	83	91	30·3	7	1	-	-	-	-	6	
BRISTE -	374,838	" 13	372	339	47·2	-	-	-	1	3	16	89	
BRISTE -	231,396	" 13	222	211	47·5	4	1	-	7*	-	6	88	
BRISTE -	1,595,547	" 15	-	742	24·2	-	6	11	30	12	6	10	
BRISTE -	852,467	" 15	-	350	21·4	-	-	9	21	3	4	1	
BRISTE -	1,064,277	" 15	-	385	18·9	-	1	-	11	2	19	1	
BRISTE -	500,343	" 15	-	181	18·9	-	11	1	2	1	2	3	
BRISTE -	254,000	" 8	-	122	25·1	-	-	-	-	-	2	11	

\* Including deaths from croup.

† Including 34 deaths from cholera in Calcutta, and 2 in Bombay.

‡ Including 3 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the week ending Saturday, MARCH 8th, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890. MONTH AND DAY.		Phases of the Moon.	TEMPERATURE.						Difference between the Air Temperature and Dew Point Temperature.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is 3 inches above the Average of the Ground.								
			BARO- METER.	Of the Air.				Of the Dew Point.	Mean daily value.		Degree of Hu- midity (Sat- uration equals 100).	Of Radiation.		Of the Water of the Thames at Deptford.		Osler's.		Pressure on the Square Foot.		Robinson's.									
				High- est.	Low- est.	Daily Range.	Mean daily value.		De- parture from Average of 2 1/2 years.	High- est.		Low- est.	High- est.	Low- est.	High- est.	Low- est.	General Direction.	Great- est.	Least.	Mean of 24 hourly obs.		Horizontal Movement on each Day.	Depart- ment from Average of 10 Years.						
MARCH.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
SUN.	2	Apogee.	30.055	32.6	22.1	10.5	26.4	-14.0	18.2	8.2	11.3	0.0	69	76.7	19.5	38.1	37.0	NE. & NNE.	NE. & NNE.	3.6	0.0	0.9	529	+198	— 14	0.02	1.5	3.8	
MON.	3	..	30.298	33.3	20.1	13.2	26.3	-14.2	12.6	13.7	15.9	7.3	53	77.1	17.3	38.2	37.0	NNE.&ENE.	N. & NNE.	1.6	0.0	0.2	319	- 86	0.03	3.0			
TUES.	4	..	30.100	35.0	13.1	21.9	24.9	-15.6	11.8	13.1	15.4	8.1	54	68.6	8.6	37.4	36.5	Calm & WSW.	SW.	2.5	0.0	0.2	249	+ 10	0.01	0.0			
WED.	5	..	29.712	44.0	32.4	11.6	38.9	- 1.6	29.6	9.3	14.1	4.4	69	78.2	23.7	36.6	35.5	N. NW. & WSW.	N. NW. & WSW.	2.0	0.0	0.3	346	+101	0.00	0.0			
THURS.	6	Full.	29.616	54.1	36.8	17.3	46.0	+ 5.5	38.3	7.7	14.2	3.0	74	77.0	31.2	36.4	35.1	NW. & W.	NW. & W.	3.3	0.0	0.5	437	+228	0.00	1.2			
FRI.	7	..	29.570	53.2	39.3	13.9	46.2	+ 5.6	38.9	7.3	12.2	2.1	76	74.0	32.0	37.4	36.2	WSW.	WSW.	8.5	0.0	1.2	563	+223	0.25	3.8			
SAT.	8	In Equator.	29.314	53.1	39.5	13.6	45.8	+ 5.2	41.5	4.3	10.4	0.0	85	75.5	33.5	39.1	37.9	SW.	SW. & WSW.	3.6	0.0	1.2	556	+223	0.25	3.8			
MEANS	..	..	29.809	43.6	29.0	14.6	36.4	- 4.2	27.3	9.1	13.4	3.6	69	75.3	24.4	37.6	36.5	NE. & SW.		..	..	..	Sum 2969	+660	0.33	1.9			
No. of Col.	3	..	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	72			

DATE.	EXPLANATION OF SYMBOLS (see Note).	Registered Sunshine, in hours.	Sun above Horizon, in hours.	GENERAL REMARKS.
MARCH.				
SUNDAY . . . 2	w. p. generally	4.4	10.9	Generally cloudy; occasional snow. A very cold day.
MONDAY . . . 3	s. p. generally	2.3	11.0	Variable with snow in morning; fine afterwards. Solar halo in afternoon. Very cold.
TUESDAY . . . 4	s. p. in morning; m. p. afterwards.	2.2	11.1	Fine with light clouds generally till evening; overcast afterwards; snow at night. The minimum temperature (18.0°) is the lowest that has been recorded in the month of March since 1847, March 15, when 18.1° was also registered.
WEDNESDAY . . 5	v. p. and v. N.	1.7	11.1	Cloudy generally; slight rain in early morning.
THURSDAY . . . 6	v. p. in morning; v. p. afterwards.	0.5	11.1	Variable in early morning; cloudy afterwards. Mild.
FRIDAY . . . . 7	m. p. generally	0.4	11.2	Fine in early morning; cloudy till afternoon; variable afterwards. Mild.
SATURDAY . . . 8	w. p. till afternoon; s. N. between 5h. p.m. and 8h. p.m.; m. p. afterwards.	0.6	11.3	Overcast with rain in morning; variable till afternoon; cloudy and showery afterwards.
No. of Col. .		29	77.8	

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. p.m.; and 9h. p.m. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean readings of the dry bulb thermometer is combined the mean daily value of the readings of the maximum and minimum thermometers, forming the mean daily value of the temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 10 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are +, positive; N, negative; v, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.70 in. at the beginning of the week to 30.32 in. by noon on 3rd; and decreased to 29.22 in. by the end of the week.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 11. 1890. VOL. LI.] WEEK ENDING SATURDAY, MARCH 15. [Price 1½d.

General Register Office, Somerset House,  
17th March, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 23·6 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.		Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.
Birkenhead	19·9	22·3	22·8	14·4	Liverpool -	30·2	29·5	30·2	26·0
Birmingham	27·0	23·1	27·8	23·8	London -	21·8	21·3	22·3	20·9
Blackburn -	30·4	36·3	38·8	35·9	Manchester -	35·3	40·8	45·6	35·9
Bolton -	30·6	43·7	40·1	37·8	Newcastle-on-Tyne	25·9	28·5	29·4	29·4
Bradford -	30·6	34·9	32·7	24·1	Norwich -	26·8	29·0	25·2	24·1
Brighton -	14·8	18·1	20·7	20·7	Nottingham -	25·1	21·3	21·9	19·4
Bristol -	25·6	27·2	26·5	26·0	Oldham -	33·4	30·9	26·3	19·2
Cardiff -	18·7	16·5	19·2	20·9	Plymouth -	23·8	23·8	31·1	27·1
Derby -	18·6	24·8	22·2	24·8	Portsmouth -	24·1	22·3	22·6	21·2
Halifax -	29·2	29·9	35·0	29·9	Preston -	37·7	43·1	38·7	27·8
Huddersfield	24·9	26·6	23·2	20·5	Salford -	28·0	28·8	33·1	22·4
Hull -	23·9	21·5	22·7	22·2	Sheffield -	32·0	35·1	38·7	33·4
Leeds -	29·4	36·5	29·5	27·4	Sunderland	26·0	26·4	24·4	26·4
Leicester -	23·3	17·9	22·6	20·3	Wolverhampton -	33·8	35·6	39·4	21·9

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·3 in Plymouth, 1·4 in Liverpool and in Bolton, and 1·8 in Bristol; from *measles*, 1·0 in Derby and 1·1 in Norwich; and from *scarlet fever*, 1·7 in Sheffield and 1·9 in Sunderland. The death-rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 41 deaths from *diphtheria* in these towns included 25 in London, 3 in Liverpool, 3 in Sheffield, and 2 in Manchester. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2717 BIRTHS and 1771 DEATHS were registered. Allowing for increase of population, the births were 208, and the deaths 95, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21·8, 21·3, and 22·3 in the three preceding weeks, declined last week to 20·9. During the first eleven weeks of the current quarter the death-rate averaged 24·4 per 1000, and was 1·7 per 1000 above the mean rate in the corresponding periods of the ten years 1880-89.

The 1771 deaths included 35 from measles, 18 from scarlet fever, 25 from diphtheria, 86 from whooping-cough, 3 from enteric fever, 1 from an ill-defined

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



form of continued fever, 14 from diarrhœa and dysentery, and not one from small-pox, typhus, or cholera; thus, 182 deaths were referred to these diseases, being 40 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 10; 8 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, 4 having been admitted during the week, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had risen from 14 to 35 in the three previous weeks, were again 35 last week, being 16 below the corrected average; 8 belonged to Islington, 3 to London City, and 3 to Bermondsey sanitary areas. The fatal cases of *scarlet fever*, which had numbered 13, 14, and 12 in the three preceding weeks, rose last week to 18, being, however, 6 below the corrected average; 2 belonged to Fulham, 4 to Shoreditch, 2 (admitted to hospital from one house in James Street) to Bethnal Green, 2 to St. George-in-the-East, and 2 to Greenwich sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1153 scarlet fever patients at the end of the week, against numbers declining from 1609 to 1187 in the ten preceding weeks; 76 cases were admitted to these hospitals during the week, against 89, 88, and 53 in the three previous weeks. The deaths from *diphtheria*, which had declined from 39 to 19 in the four preceding weeks, rose again last week to 25, and exceeded the corrected average by 6; 2 belonged to Kensington, 2 to Pancras, 2 to Hackney, and 3 to Newington sanitary areas. The 86 deaths from *whooping-cough* showed a further decline from the high numbers in recent weeks, and corresponded with the corrected average; 6 belonged to Paddington, 6 to Pancras, 5 to Hackney, 5 to Bethnal Green, and 7 to Camberwell sanitary areas. The deaths attributed to *diarrhœa* and *dysentery*, which had declined from 21 to 9 in the three previous weeks, rose again last week to 14, but were 2 below the corrected average.

The deaths referred to *enteric fever*, which had declined from 12 to 4 in the four preceding weeks, further fell last week to 3, and were 10 below the corrected average. The Metropolitan Asylum Hospitals contained 63 cases of enteric fever and not one of typhus on Saturday last; 10 cases of enteric fever were admitted during the week, against 9 and 8 in the two previous weeks.

The deaths primarily attributed to *influenza* numbered 11 last week, against 24 in the previous week, having declined from 127 to 23 in the seven preceding weeks; 4 occurred in the West, 4 in the South, and 3 in the North groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had increased from 439 to 510 in the four preceding weeks, fell last week to 447, and were 69 below the corrected average.

Different forms of violence caused 76 deaths, concerning all but 3 of which inquests were held. Of these 76 deaths, 12 were cases of suicide, and 2 of murder or manslaughter, while the remaining 62 were attributed to accident or negligence. Eight of these were caused by horses or vehicles in the streets, 11 by burns or scalds, 1 by poison, 2 by drowning, and 22 (including 20 of infants aged under one year) by suffocation. The death of a child, aged 14 months, was returned, after inquest, as resulting from syncope whilst under chloroform "properly administered for operation."

#### GREATER LONDON.

In Greater London 3578 births and 2242 deaths were registered, corresponding to annual rates of 32·4 and 20·3 per 1000 of the estimated population. In the Outer Ring 13 deaths from measles, 10 from whooping-cough, and 7 from diphtheria were registered. Four deaths from measles were returned in Tottenham sub-district, and 2 from diphtheria in that of West Ham. The deaths from whooping-cough included 2 in West Ham and 2 in Leyton sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·84 ins.; the lowest reading was 29·22 ins. at the beginning of the week, and the highest 30·18 ins. on Tuesday evening. The mean temperature of the *air* was 45°·3, and 4°·5 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average on every day of the week, excepting Sunday. The general direction of the *wind* was South-Westerly, and the horizontal movement of the air averaged 14·0 miles per hour, which was 0·5 of a mile above the average in the corresponding weeks of 16 years. *Rain* was measured on Monday to the amount of 0·24 of an inch. The duration of registered bright sunshine in the week was 28·1 hours, against 34·1 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 15th March, 1890.

CITIES AND BOROUGH.	CITIES AND BOROUGH.	Registered during the Week ending 15th Mar., 1890.		The Deaths registered in the Week include										Annual Rate per 1000, corrected to the Week's Deaths					TEMPERATURE OF THE AIR.				RAINFALL.				
		BIRTHS.	DEATHS.	Deaths of Persons aged 60 Years and upwards.		Deaths from						Inquest Cases.		Deaths in Public Institutions.	Unspecified Causes of Death.	From All Causes.	From Diseases in Cols. 6-12.	Highest.	Lowest.	Fahrenheit.	Fahrenheit.	Condiguade.	In Inches.	In Cent.			
				Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	14.	15.												16.	17.	18.
Cols.	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.	Cols.
28 TOWNS		9,715,559	6081	4401	929	1120	-	66	59	41	141	19	40	164	340	732	112	23.6	2.0	61.1	28.5	45.0	7.22	0.18	0.46	-	-
LONDON		4,421,661	2717	1771	592	496	-	35	18	25	86	4	14	76	162	390	20	20.9	2.1	61.1	29.6	45.3	7.39	0.24	0.61	-	-
BRIGHTON		123,659	65	49	12	16	-	-	1	-	1	-	1	3	4	9	-	20.7	1.3	50.5	31.0	42.2	5.67	0.13	0.33	-	-
PORTSMOUTH		142,952	97	78	5	24	-	1	-	-	1	-	1	1	1	3	-	21.2	0.4	-	-	-	-	-	-	-	-
NORWICH		95,952	72	44	8	16	-	2	-	1	1	-	1	1	1	3	-	24.1	2.7	-	-	-	-	-	-	-	-
PLYMOUTH		78,780	44	41	8	15	-	1	-	1	2	-	1	2	4	10	18	27.1	2.6	55.7	34.3	46.1	7.85	0.13	0.33	-	-
BRISTOL		232,248	144	116	31	37	-	1	-	-	8	-	1	6	10	18	2	26.0	2.7	58.5	33.2	44.4	6.89	0.25	0.63	-	-
WOLVERHAMPTON		83,406	56	35	5	8	-	-	-	-	-	-	1	4	5	8	1	21.9	0.6	56.7	28.5	43.5	6.39	0.15	0.33	-	-
BIRMINGHAM		461,885	317	211	45	46	-	6	6	-	3	1	2	10	24	38	8	23.8	2.0	-	-	-	-	-	-	-	-
LEICESTER		154,344	105	60	15	20	-	-	-	-	1	-	1	3	5	10	-	20.3	0.3	-	-	-	-	-	-	-	-
NOTTINGHAM		244,909	121	91	20	27	-	-	-	-	1	-	1	3	5	5	3	19.4	0.4	59.0	30.3	44.6	7.00	0.16	0.41	-	-
DERBY		100,871	58	48	6	10	-	2	-	-	-	-	1	-	4	7	1	24.8	1.6	-	-	-	-	-	-	-	-
BIRKENHEAD		105,049	62	29	9	7	-	-	-	-	-	-	1	-	1	7	-	14.4	0.5	-	-	-	-	-	-	-	-
LIVERPOOL		613,463	335	306	70	39	-	11	2	3	18	-	3	19	23	47	22	26.0	3.0	58.0	36.2	47.3	8.50	0.20	0.51	-	-
BOLTON		115,816	81	84	14	15	-	-	1	1	3	1	2	-	2	9	3	37.8	3.6	-	-	-	-	-	-	-	-
MANCHESTER		279,437	307	261	49	60	-	4	6	2	4	1	3	5	17	60	10	35.9	2.7	-	-	-	-	-	-	-	-
SALFORD		242,569	141	104	21	24	-	-	1	1	2	2	1	3	15	4	15	22.4	1.5	-	-	-	-	-	-	-	-
OLDHAM		146,716	66	54	10	9	-	-	-	-	2	-	1	2	5	3	-	19.2	1.1	-	-	-	-	-	-	-	-
BLACKBURN		123,553	101	85	17	20	-	2	1	1	2	-	1	2	5	8	3	35.9	3.0	-	-	-	-	-	-	-	-
PRESTON		105,163	59	56	10	9	-	-	1	-	2	-	-	-	2	4	2	27.8	0.5	-	-	-	-	-	-	-	-
HUDDERSFIELD		94,255	50	37	5	6	-	-	-	-	-	-	-	-	2	-	-	20.5	1.1	-	-	-	-	-	-	-	-
HALIFAX		82,034	47	47	15	9	-	-	-	-	-	-	-	-	1	3	8	29.9	0.6	-	-	-	-	-	-	-	-
BRADFORD		240,515	105	111	14	30	-	1	-	-	1	-	3	1	4	15	4	24.1	1.1	57.0	30.2	45.1	7.28	0.44	1.12	-	-
LEEDS		268,799	265	191	45	66	-	2	-	-	4	-	-	4	13	12	2	27.4	0.9	-	-	-	-	-	-	-	-
SHEFFIELD		332,837	203	213	35	55	-	1	11	3	2	3	1	5	11	25	12	33.4	3.3	-	-	-	-	-	-	-	-
HULL		213,833	126	91	21	28	-	-	1	-	2	-	2	-	5	10	1	22.2	1.2	40.0	29.0	44.9	7.17	0.11	0.28	-	-
SUNDERLAND		136,506	104	69	15	14	-	-	5	-	-	1	-	-	9	4	7	26.2	2.3	61.0	32.0	44.7	7.06	0.00	0.00	-	-
NEWCASTLE		162,987	138	92	21	17	-	-	-	1	-	1	-	-	5	8	4	29.4	0.6	57.0	32.0	46.8	8.22	0.20	0.51	-	-
CARDIFF		117,012	92	47	11	7	-	-	2	-	1	1	-	-	2	6	1	20.9	1.8	-	-	-	-	-	-	-	-
EDINBURGH		271,155	159	108	18	21	-	10	1	3	8	-	1	1	?	26	18	20.8	3.5	55.4	27.5	45.0	7.22	0.33	0.84	-	-
GLASGOW		130,508	378	286	57	48	-	12	2	3	18	4	6	4	?	47	26	28.1	4.4	54.9	27.1	45.2	7.33	0.50	1.27	-	-
DUBLIN		353,082	181	126	24	64	-	3	-	-	7	4	4	-	2	71	14	29.0	2.7	59.5	29.7	46.4	8.00	0.52	1.32	-	-

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the ELEVENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2757	2709	2574	2771	2761	2675	2750	2501	2629	2699	2925·3	2717
Males . .	1410	1350	1344	1468	1384	1330	1356	1251	1352	1366	1484·3	1381
Females .	1347	1359	1230	1303	1377	1345	1394	1250	1277	1333	1441·0	1336
<b>TOTAL Deaths</b>	1465	1459	1691	1854	1660	1678	2413	1652	1604	1638	1866·2	1771
Males . .	768	722	866	974	856	841	1229	829	797	812	948·0	907
Females .	697	737	825	880	804	837	1184	823	807	826	918·2	864

\* The numbers in this column are the average weekly numbers in the eleventh weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.
<b>TOTAL Births</b> - -	2513	1815	2961	2818	2714	2510	2699	2707	2793	2702	2561	2536	2717
<b>TOTAL Deaths</b> - -	1816	1690	2371	2747	2720	2227	1849	1749	1809	1847	1802	1889	1771
<b>Ages at Death</b>													
{ 0-20 years -	723	651	834	939	909	775	703	714	763	753	739	798	776
{ 20-40 " -	216	220	346	367	450	349	232	238	218	256	234	225	196
{ 40-60 " -	348	332	541	670	666	510	369	334	357	363	324	348	303
{ 60-80 " -	424	396	552	640	576	503	390	363	390	374	418	428	404
{ 80 years & upwards	105	91	98	131	119	90	105	100	81	101	87	89	92
<b>"</b>													
{ Under 1 year -	364	326	398	430	415	386	350	372	352	393	367	394	392
{ 1-5 " -	261	232	310	375	344	294	250	254	306	259	263	294	271
{ 5-20 " -	98	93	126	134	150	95	103	88	105	101	109	110	113
<b>Deaths from Small-pox</b> -	-	-	-	-	-	-	-	-	-	1	-	-	-
" " Measles -	35	29	36	24	24	21	11	8	21	14	19	35	35
" " Scarlet fever -	22	14	15	13	22	10	14	19	14	13	14	12	18
" " Diphtheria -	27	26	32	26	22	22	24	24	39	27	24	19	25
" " Whooping-cough -	60	67	98	112	104	82	67	91	115	103	97	95	86
" " Typhus -	1	2	-	-	-	1	-	-	-	-	-	-	-
" " Enteric fever -	12	13	12	11	14	10	9	2	12	8	7	4	3
" " Simple Cont <sup>d</sup> fever -	-	-	-	1	1	-	-	-	1	1	1	1	1
" " Diarrhœa and Dysentery -	13	19	10	12	6	14	9	4	6	21	12	9	14
" " Cholera -	-	-	-	-	-	-	-	-	-	-	-	-	-
" " all the above-mentioned Diseases -	170	170	203	199	193	160	134	148	203	188	174	175	182
" " Dis. of Respiratory System -	518	467	843	1069	1010	736	550	485	439	452	492	510	447
" " Phthisis -	161	180	247	267	312	239	220	209	215	218	224	206	164
" " Dis. of Circulatory System -	189	158	222	275	209	193	116	154	143	162	146	163	145
<b>Violent Deaths</b> - -	69	47	91	55	65	60	62	58	56	77	52	65	76
<b>Inquest Cases</b> - -	156	121	195	192	171	142	127	125	137	143	134	120	162
<b>Deaths in Public Institutions</b>	419	400	494	534	626	491	471	401	436	434	425	406	390
<b>TEMPERATURE OF THE AIR</b>													
Mean -	48·5	39·8	32·8	47·6	45·5	42·7	42·9	37·1	35·9	39·4	35·4	36·4	45·3
Mean of Highest readings -	47·3	44·0	36·7	52·4	50·6	48·4	43·3	42·7	41·7	43·9	42·0	43·6	54·0
Mean of Lowest readings -	38·1	35·2	28·5	43·0	39·4	36·9	38·2	32·0	30·8	35·9	30·4	29·0	37·6
<b>Humidity of the Air</b> - -	94	90	97	89	86	84	90	89	87	89	87	69	79
<b>Rain-fall in inches</b> - -	0·33	0·61	0·11	0·40	0·13	0·77	0·73	0·05	0·88	0·04	0·22	0·33	0·24
<b>Registered Sunshine (in hours)</b>	2·1	3·2	5·0	10·1	7·3	14·9	8·9	9·5	31·2	12·4	9·7	12·1	28·1

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelodge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.





TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	The DEATHS registered in the Week include														
				Deaths of		Deaths from												
				Infants under 1 Year of Age.	Persons aged 10 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes of Death.
<b>LONDON</b>	<b>3,815,701</b>	<b>2717</b>	<b>1771</b>	<b>392</b>	<b>496</b>	<b>-</b>	<b>35</b>	<b>18</b>	<b>25</b>	<b>86</b>	<b>-</b>	<b>3</b>	<b>1</b>	<b>14</b>	<b>76</b>	<b>162</b>	<b>390</b>	<b>20</b>
WEST DISTRICTS	669,888	407	290	56	91	-	4	5	3	12	-	1	-	4	20	32	86	-
NORTH DISTRICTS	905,947	612	400	73	116	-	10	6	9	18	-	1	-	1	16	35	84	1
CENTRAL DISTRICTS	282,238	148	141	21	40	-	8	-	2	4	-	-	-	-	9	19	31	1
EAST DISTRICTS	692,738	561	346	85	80	-	5	2	4	23	-	-	-	5	13	40	90	3
SOUTH DISTRICTS	1,265,148	991	593	157	169	-	8	4	7	29	-	1	1	4	15	36	98	15
METROPOLITAN ASYLUM POS- PITALS OUTSIDE REGISTRATION LONDON	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
<b>WEST DISTRICTS.</b>																		
St. Mary Paddington WHH G.J. & W.M.	69888	53	32	11	7	-	2	-	-	2	-	-	-	-	2	2	4	-
St. John Paddington H - - G.J.	87380	9	22	1	3	-	-	1	-	4	-	-	-	-	5	6	10	-
Kensington Town Ww - - W.M.	120141	69	48	13	18	-	-	-	-	1	-	-	-	-	5	9	12	-
Brompton H - - W.M. & C.	49010	9	15	2	3	-	-	-	-	-	-	-	-	-	-	-	5	-
St. Peter Hammersmith - - W.M.	7599	4	3	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Paul Hammersmith H W.M. & G.J.	64340	46	25	6	5	-	-	-	-	3	-	-	-	1	1	1	1	-
Fulham Ww - - W.M. & C.	42900	56	37	8	7	-	1	4	2	-	-	-	-	1	2	2	8	-
Chelsea South HHH - - C.	30396	11	9	5	4	-	-	-	-	-	-	-	-	1	-	-	4	-
Chelsea North-west WHHHH- C.	24925	23	15	1	8	-	-	-	-	-	-	-	-	1	1	2	11	-
Chelsea North-east - - C.	32807	22	9	-	5	-	-	-	-	-	-	-	-	1	2	3	-	-
May Fair WW - - G.J.	30353	12	23	-	13	-	-	-	1	1	-	1	-	-	-	1	17	-
Belgrave WHH- - - C.	59220	32	25	4	6	-	1	1	1	-	-	-	-	-	1	2	9	-
St. John Westminster HHH - - C.	85498	29	9	2	5	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Margaret Westminster H - C.	24679	7	6	-	1	-	-	-	-	-	-	-	-	-	-	1	3	-
St. James Westminster WHH N.R. & G.J.	29941	19	7	2	3	-	-	-	-	-	-	-	-	-	1	1	2	-
St. Anne Soho HHHHHHH - N.R.	16608	6	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>NORTH DISTRICTS.</b>																		
All Souls Marylebone HHHHH- W.M.	26759	14	15	2	4	-	-	-	-	-	-	-	-	-	-	1	6	-
Cavendish Square HHHH - - W.M.	14891	7	6	1	1	-	-	-	-	1	-	1	-	-	-	1	-	-
Rectory Marylebone WH G.J. & W.M.	24809	16	5	3	-	-	-	-	-	-	-	-	-	-	-	-	3	-
St. Mary Maryleb. HHH G.J. & W.M.	21118	34	7	2	2	-	-	-	-	-	-	-	-	-	-	-	1	-
Christchurch Marylebone HH - W.M.	38700	15	16	3	4	-	2	-	-	-	-	-	-	-	-	3	-	-
St. John Marylebone H - - W.M.	38633	15	15	2	7	-	-	1	2	-	-	-	-	-	-	1	-	-
Hamstead WwHHHH N.R. & W.M.	45452	24	15	1	8	-	-	-	2	-	-	-	-	-	-	-	5	1
Regent's Park Paneras H - - W.M.	39115	19	10	1	6	-	-	-	-	-	-	-	-	-	-	1	-	-
Tottenham-court WHHHH N.R. & W.M.	27729	19	15	2	5	-	-	-	1	-	-	-	-	-	1	2	5	-
Gray's Inn Lane HHH - - N.R.	30247	15	25	8	1	-	1	-	-	3	-	-	-	-	7	8	-	-
Somers Town H - - N.R.	34369	22	14	2	2	-	-	-	-	-	-	-	-	-	1	1	2	-
Camden Town WH - - N.R.	17811	9	15	1	7	-	-	-	1	-	-	-	-	-	1	1	10	-
Kentish Town W - - N.R.	87487	68	35	7	12	-	-	-	1	-	-	-	-	1	3	6	7	-
Upper Holloway WWwH - - N.R.	67946	51	45	6	16	-	-	-	1	1	-	-	-	-	2	2	16	-
Islington South-west HH - - N.R.	106976	73	40	9	10	-	3	-	-	-	-	-	-	-	2	-	-	-
Islington South-east - - N.R.	11835	46	13	8	5	-	2	-	-	2	-	-	-	-	1	-	-	-
Highbury H - - N.R.	52048	25	16	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Stoke Newington H - - N.R.	22781	14	7	2	1	-	-	-	-	-	-	-	-	-	-	2	-	-
Stamford Hill - - E.L.	9277	12	7	1	2	-	-	-	-	-	-	-	-	-	-	-	1	-
West Hackney H - - N.R.	37610	24	15	4	3	-	-	-	1	-	-	-	-	-	-	1	1	-
Hackney WwvH - - E.L. & N.R.	79811	57	45	2	15	-	6	4	2	-	-	-	-	-	2	2	20	-
South Hackney - - E.L.	39883	35	14	3	1	-	-	-	-	3	-	-	-	-	-	-	-	-
<b>CENTRAL DISTRICTS.</b>																		
St. George Bloomsbury - - N.R.	16681	9	5	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Giles South WH - - N.R.	14864	5	5	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-
St. Giles North - - N.R.	18897	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Martin-in-the-Fields HH N.R. & C.	17508	5	12	1	4	-	-	-	-	-	-	-	-	-	1	3	4	-
St. Mary-le-Strand H - - N.R.	7515	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H - - N.R.	8559	2	14	1	1	-	2	-	-	-	-	-	-	-	-	1	6	-
Strand Union Workhouse, Edmonton w.	-	1	4	-	3	-	-	-	-	-	-	-	-	-	-	-	4	-
St. Geo.-the-Martyr HHHHHHH N.R.	18671	9	15	6	2	-	-	1	-	-	-	-	-	-	1	3	6	-
St. Andrew Eastern W - - N.R.	10706	-	7	2	2	-	-	-	-	-	-	-	-	-	-	-	1	-
Saffron Hill H - - N.R.	4533	6	3	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-
St. James Clerkenwell - - N.R.	17516	9	5	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Amwell Clerkenwell - - N.R.	19281	19	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentonville - - N.R.	14773	10	5	6	1	-	1	-	-	1	-	-	-	-	-	-	-	-
Goswell-street - - N.R.	17506	11	5	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Old-street H - - N.R.	11541	22	7	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-
City-road HHL - - N.R.	18623	30	3	1	4	-	-	-	-	-	-	-	-	-	-	-	1	-
Whitecross-street - - N.R.	8217	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Finsbury - - N.R.	7463	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-
Holborn Union Workhouse, Mitcham; w.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Botolph H - - N.R. & E.L.	11174	3	9	-	4	-	-	-	-	1	-	-	-	-	1	-	-	-
Cripplegate - - N.R.	7193	1	5	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - N.R.	5358	5	11	2	2	-	-	-	1	-	-	-	-	-	2	2	7	-
St. Bride W - - N.R.	8386	1	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Albion Works Barking - - N.R.	13668	5	4	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-
Broad Street H - - N.R.	6632	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work-house; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J., signifies Grand Junction Company; W. M., West Middlesex; C., Chelsea; S., Southwark and Vauxhall; L., Lambeth; N. R., New River; E. L., East London; and K., the Kent Company.

REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of											Deaths in Public Institutions.	Uncertified Causes of Death.		
SUB-DISTRICTS.					Deaths from														
					Infants under 1 Year of Age.	Persons aged 40 Years and over.	Small-pox	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.		
EAST DISTRICTS.																			
Well Shoreditch	N.R. & E.L.	7376	10	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conard Shoreditch	HL*	14967	12	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
on New Town	-	29397	18	16	12	3	3	-	-	-	1	1	-	-	-	-	-	-	-
on Old Town	-	28036	22	7	7	3	-	1	-	-	1	1	-	-	-	-	-	-	-
eration WH	N.R. & E.L.	46276	34	37	8	11	-	2	1	1	-	-	-	-	-	-	-	-	-
al Green North	H	51187	42	50	10	-	-	2	-	-	2	-	-	-	-	3	3	-	-
al Green South	-	34389	31	7	4	2	-	-	-	-	2	-	-	-	1	3	3	-	-
al Green East	WHL*	41405	33	19	7	3	-	-	-	-	2	-	-	-	-	3	3	6	-
Selds	E.L. & N.R.	22685	18	4	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-
End New Town	W	15473	11	12	1	1	-	-	1	2	-	-	-	-	-	2	7	-	-
ehannel Church	H	17490	16	35	3	6	-	1	-	1	-	-	-	-	4	8	21	-	-
man's Fields	-	9713	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
te	N.R. & E.L.	6102	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
George's, North	-	88747	37	17	7	-	-	-	-	-	3	-	-	-	-	1	3	-	-
hn, St. George East	W	8410	7	5	1	1	-	-	-	-	-	-	-	-	-	-	5	-	-
Well H	E.L. & N.R.	10895	8	13	7	-	-	-	1	2	-	-	-	-	1	-	7	-	-
House	-	16107	7	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
ouse	-	32041	31	13	2	3	-	-	-	-	-	-	-	-	1	2	-	-	-
End Old Town West	H	37980	37	15	5	1	-	-	-	-	3	-	-	-	-	1	-	-	-
End Old Town East	W	67653	47	33	5	13	-	1	-	-	-	-	-	-	-	1	7	-	-
W	-	37074	33	19	1	3	-	-	-	-	1	-	-	-	-	-	7	-	-
W	-	64359	67	38	12	-	-	-	-	-	1	-	-	-	4	-	15	-	-
W	-	55077	32	28	7	11	-	-	-	1	2	-	-	-	1	2	-	-	-
SOUTH DISTRICTS.																			
Church Southwark	W	3663	11	5	1	-	-	1	-	-	1	-	-	-	-	1	1	-	-
vious Southwark	-	14999	15	9	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
oad	S. & L.	21381	10	6	2	-	-	-	-	2	-	-</							

lylebone Infirmary in Kensington Town sub-district.	Stepney Workhouse in Bromley sub-district.
London London Sick Asylum, in Tottenham Court sub-districts.	Poplar & Stepney Siles Asylum.
London Asylum in Upper Holloway sub-district.	Westminster Union Industrial School in West Battersea sub-district.
London City Workhouse	St. Saviour's Infirmary in Camberwell sub-district.
North	Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hack-
Northchapel " "	ney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford
North City " "	and Edmonton sub-districts outside Registration London.
North City " "	Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 15th March, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from										Inquest Cases.	Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.				
LONDON—OUTER RING		370,924	950,957	861	471	83	152	-	13	1	7	10	3	3	11	21	68		
30: 1	Carshalton <i>wL</i> -	12228	21118	12	27	2	6	-	-	-	-	-	-	-	-	-	19		
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
37: 1	Godstone ( <i>part of</i> ) * -	2754	1235	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
38: 1	Croydon <i>WwH L</i> -	20851	101241	70	45	5	21	-	2	-	-	1	-	-	1	1	7		
2	Mitcham <i>w†</i> -	11697	17932	17	4	-	2	-	-	-	-	-	-	-	-	-	-		
39: 1	Wimbledon <i>HHH</i> -	3220	15950	10	7	2	4	-	-	-	-	-	-	-	-	-	-		
2	Kingston <i>WHH</i> -	8549	36354	16	12	2	6	-	-	-	-	-	-	-	-	-	2		
3	Esher ( <i>part of</i> ) * -	6601	9221	1	2	1	1	-	-	-	-	-	-	-	-	-	-		
4	Hampton <i>H</i> -	4573	13599	7	7	3	2	-	-	-	-	-	-	-	-	-	-		
40: 1	Richmond <i>WH</i> -	2272	21302	16	16	3	7	-	-	-	-	1	-	-	-	-	6		
2	Mortlake -	2941	12331	8	1	-	-	-	-	-	-	-	-	-	-	-	-		
41: 1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15669	31142	23	12	1	10	-	-	-	-	-	-	-	-	-	-		
2	Chislehurst ( <i>pt. of</i> ) * <i>WHH</i>	14307	15844	7	9	-	5	-	1	-	-	-	-	-	-	-	3		
42: 1	Bexley <i>H</i> -	13437	24134	18	10	1	4	-	-	-	-	-	-	-	1	1	-		
2	Dartford ( <i>Ww</i> , <i>pts. of</i> ) *†	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	2		
124: 1	Sunbury <i>w</i> -	11055	11685	7	3	2	-	-	-	-	-	-	-	1	-	-	-		
2	Staines <i>W</i> -	13277	12089	9	2	-	1	-	-	-	-	-	-	-	-	-	-		
125: 1	Hillingdon <i>WHH</i> -	6029	10802	8	3	1	1	-	-	-	-	-	-	-	-	-	2		
2	Uxbridge -	6178	5225	4	4	1	-	-	-	-	-	-	-	-	-	1	-		
3	Hayes <i>wHL</i> -	14687	11323	11	10	-	3	-	-	-	-	-	-	-	-	-	6		
126: 1	Isleworth <i>WHH</i> -	7008	22727	18	19	3	10	-	1	-	1	-	1	-	-	1	2		
2	Twickenham <i>H</i> -	2477	12479	7	2	1	-	-	-	-	-	-	1	-	-	1	-		
3	Brentford <i>HL</i> -	4345	27649	15	12	3	-	-	-	-	-	-	-	-	-	1	-		
4	Chiswick -	1340	15975	15	11	2	4	-	-	-	-	-	-	-	-	-	-		
5	Acton <i>wH</i> -	6083	22876	19	14	3	4	-	-	1	-	-	1	-	-	-	1		
127: 1	Harrow <i>H</i> -	13809	12796	18	6	-	3	-	-	-	-	-	-	-	-	-	-		
2	Edgware <i>H</i> -	6994	3749	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	Willesden -	4383	27453	32	17	6	2	-	-	-	-	1	-	-	1	2	-		
4	Hendon <i>W</i> -	8332	10434	10	1	-	-	-	-	-	-	-	-	-	-	-	-		
137: 1	Bushey -	9331	6621	3	4	-	2	-	-	-	-	-	-	-	1	1	-		
2	Watford ( <i>W</i> , <i>pt. of</i> ) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
128: 1	South Mimms -	15599	6391	7	1	-	-	-	-	-	-	-	-	-	-	-	-		
2	Barnet -	5433	10002	5	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	Finchley <i>HL</i> -	4638	17615	16	12	1	8	-	-	-	-	-	-	-	-	2	7		
135: 2	Hatfield ( <i>part of</i> ) * -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
129: 1	Hornsey <i>H</i> -	3039	37078	25	6	-	-	-	-	-	1	-	-	-	1	1	-		
2	Tottenham <i>H</i> -	4642	46456	52	32	4	6	-	4	-	1	-	-	-	1	3	3		
3	Edmonton <i>Ww</i> -	7453	23453	28	6	-	1	-	-	-	-	-	-	-	-	-	-		
4	Enfield <i>WH</i> -	12653	19104	17	8	1	3	-	1	-	-	-	-	-	-	-	-		
5	Waltham Abbey -	11017	5368	5	3	-	-	-	-	-	-	-	-	-	-	1	-		
6	Cheshunt -	8480	7735	7	4	1	1	-	2	-	-	-	-	-	-	-	-		
136: 1	Stratford -	882	38603	41	22	6	4	-	-	-	1	1	-	-	1	1	-		
2	West Ham <i>wvwH</i> †	4055	90347	127	64	16	13	-	1	-	2	2	-	-	1	3	-		
3	East Ham -	3296	10706	18	5	-	-	-	-	-	-	1	-	-	-	-	-		
4	Leyton <i>WwL</i> -	4372	32430	55	20	3	6	-	1	-	-	2	-	-	-	-	8		
5	Walthamstow <i>H</i> -	6320	28869	47	10	5	-	-	-	-	1	1	-	-	1	1	1		
137: 1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9653	2	7	1	5	-	-	-	-	-	-	1	-	-	-		
2	Epping ( <i>W</i> , <i>pt. of</i> ) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
139: 1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	Ilford -	8493	7645	4	6	2	2	-	-	-	-	-	-	-	-	-	-		
3	Barking Town -	4127	9203	17	2	1	-	-	-	-	-	-	-	-	-	-	-		

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:  
 39: 2, Epsom sub-district, except the parishes of Asnstead and Headley (pop. 1235); 37: 1, the parishes of Warringtonham and Farley in Godstone's district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadham & Knockholt (pop. 1813); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Norton in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139: 1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchester Hill (see Table 5).  
 ¶ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 15th March, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											Deaths in Public Institutions.
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
GREATER LONDON	448,334	5,758,500	20·3	2·0	2242	475	648	-	48	19	32	96	7	17	87	458	
METROPOLITAN LONDON	77,410	4,421,661	20·9	2·1	1771	392	496	-	35	18	25	83	4	14	76	390	
CITY RING	370,924	1,336,839	18·4	1·4	471	83	152	-	13	1	7	10	3	3	11	68	

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,214,602 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.									
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrheal Diseases.			
CUTTACK	433,219	January 25	-	261	31·4	14	1	-	-	1	74	61+			
BOMBAY	773,196	February 18	295	381	21·8	10	5	?	?	?	96	29+			
MADRAS	398,777	January 17	307	297	38·6	3	7	?	?	?	69	50+			
PARIS	2,260,945	March 8	1229	1320	30·4	1	35	6	38*	14	15	56			
BRUSSELS (Faubourgs.)	477,288	" 8	270	210	23·0	-	-	-	2	4	1	12			
AMSTERDAM	406,402	" 8	284	194	24·8	-	3	-	1	-	1	-			
ROTTERDAM	203,486	" 8	152	107	27·0	-	-	-	-	2	1	-			
THE HAGUE	156,497	" 8	118	66	21·9	-	-	-	-	1	-	-			
COPENHAGEN	307,000	" 8	219	155	26·3	-	1	3	12	5	-	8			
STOCKHOLM	228,218	" 1	125	96	21·9	-	-	11	4*	3	-	5			
CHRISTIANIA	138,800	" 8	60	66	24·8	-	1	1	6	-	1	2			
PETERSBURG	924,106	February 22	-	537	30·3	-	19	21	12	2	9	32			
BERLIN	1,526,887	" 22	921	650	22·1	1	3	3	30	20	9	43			
BRUSSELS (State)	675,276	March 1	440	275	24·9	-	-	2	8*	1	6	12			
OSLO	269,250	" 1	146	101	19·5	-	-	2	8*	-	1	5			
PRAGUE	324,143	" 8	244	173	28·3	-	-	-	12*	-	1	12			
BRISBANE	298,000	" 1	224	175	30·5	-	3	3	2*	-	-	11			
MANILA	822,176	" 1	533	470	29·7	-	4	1	3	3	2	26			
HONG KONG	314,425	" 1	-	191	31·7	-	3	1	3	1	2	2			
ALGERIA	463,017	" 1	334	323	36·3	-	-	2	9	1	3	24			
ALGERIA	160,092	" 8	131	137	44·5	-	-	1	4	3	1	-			
PARIS (10 days)	409,692	January 4	301	209	26·6	-	-	-	5	-	10+	6			
PARIS (10 days)	314,827	February 10	263	310	35·9	1	11	-	4	1	4	14			
PARIS	166,515	" 22	97	79	26·3	8	-	-	-	-	-	8			
PARIS	374,838	" 20	349	397	55·2	-	-	-	3*	2	15	101			
ALEXANDRIA	231,396	" 20	223	182	41·0	2	-	-	-	1	6	39			
NEW YORK	1,595,547	" 22	-	777	25·4	-	6	13	29	13	5	12			
NEW YORK	852,467	" 22	-	349	21·4	-	-	9	31	1	2	3			
PHILADELPHIA	1,064,277	" 22	-	370	18·1	-	1	2	9	5	11	3			
PHILADELPHIA	500,343	" 22	-	205	21·4	-	14	-	5	3	3	1			
NEW ORLEANS	254,000	" 15	-	132	27·1	-	-	-	2	-	4	9			

\* Including deaths from croup.

+ Including 31 and 46 deaths respectively from cholera in Calcutta, 3 in Bombay, and 2 in Madras.

‡ Including 6 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, MARCH 15TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										TEMPERATURE.										Wind as deduced from Anemometers.										Rain collected in a Gauge whose surface is 5 inches above the level of Ground.		Ozone.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Phases of the Moon.		HARO. MEAN.		Of the Air.				Difference between the Air temperature at Dew Point and the Temperature.				Degree of Humidity (Saturation, 100).		Of Radiation.		Of the Water of the Thames at Deptford.		General Direction.				Pressure on the Square Foot.		Oster's.		Robinson's.		Horizontal Motion of the Air on each Day.		Vertical Motion of the Air on each Day.		Miles.		Miles.		in.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
MORNING AND DAY.		Mean daily rising (cor. rec'd and reduced to Fahrenheit).		Low. est.		Daily Range.		Mean from Average value.		De. pature from Average value.		Mean daily value.		Great. est.		Least.		High. est.		Low. est.		A.M.		P.M.		Great. est.		Least.		Mean of 24 hours.		Miles.		Miles.		in.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
MARCH.		in.		°		°		°		°		°		°		°		°		°		°		°		°		°		°		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
TUES.		20-818		44.7		30.5		14.2		36.9		- 3.8		26.7		10.2		15.8		4.4		66		90.9		22.5		39.1		38.5		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
MON.		20-982		50.6		29.6		21.0		42.2		+ 1.5		41.8		0.4		2.8		0.0		90		59.3		21.3		39.9		38.7		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
TUES.		30-120		58.0		44.3		13.7		50.3		+ 9.5		44.6		5.7		12.5		0.0		81		98.0		36.0		41.3		39.9		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
WED.		30-115		60.1		39.6		20.5		40.0		+ 8.2		42.3		6.7		15.6		0.0		78		107.8		30.3		42.5		41.2		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
THURS.		20-801		47.8		39.8		8.0		43.6		+ 2.7		39.0		4.6		7.8		3.0		84		62.8		30.5		42.8		41.7		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
FRI.		20-631		61.1		38.8		22.3		48.3		+ 7.3		39.1		9.2		20.7		2.5		70		126.0		33.0		43.2		42.2		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
SAT.		29-408		55.9		40.7		15.2		46.9		+ 5.8		43.1		3.8		12.2		1.0		86		100.6		33.6		43.9		42.8		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
MEANS		20-830		54.0		37.6		16.4		45.3		+ 4.5		39.5		5.8		12.5		1.6		79		92.2		29.6		41.8		40.7		°		°		°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
No. of Col.		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118		119		120		121		122		123		124		125		126		127		128		129		130		131		132		133		134		135		136		137		138		139		140		141		142		143		144		145		146		147		148		149		150		151		152		153		154		155		156		157		158		159		160		161		162		163		164		165		166		167		168		169		170		171		172		173		174		175		176		177		178		179		180		181		182		183		184		185		186		187		188		189		190		191		192		193		194		195		196		197		198		199		200		201		202		203		204		205		206		207		208		209		210		211		212		213		214		215		216		217		218		219		220		221		222		223		224		225		226		227		228		229		230		231		232		233		234		235		236		237		238		239		240		241		242		243		244		245		246		247		248		249		250		251		252		253		254		255		256		257		258		259		260		261		262		263		264		265		266		267		268		269		270		271		272		273		274		275		276		277		278		279		280		281		282		283		284		285		286		287		288		289		290		291		292		293		294		295		296		297		298		299		300		301		302		303		304		305		306		307		308		309		310		311		312		313		314		315		316		317		318		319		320		321		322		323		324		325		326		327		328		329		330		331		332		333		334		335		336		337		338		339		340		341		342		343		344		345		346		347		348		349		350		351		352		353		354		355		356		357		358		359		360		361		362		363		364		365		366		367		368		369		370		371		372		373		374		375		376		377		378		379		380		381		382		383		384		385		386		387		388		389		390		391		392		393		394		395		396		397		398		399		400		401		402		403		404		405		406		407		408		409		410		411		412		413		414		415		416		417		418		419		420		421		422		423		424		425		426		427		428		429		430		431		432		433		434		435		436		437		438		439		440		441		442		443		444		445		446		447		448		449		450		451		452		453		454		455		456		457		458		459		460		461		462		463		464		465		466		467		468		469		470		471		472		473		474		475		476		477		478		479		480		481		482		483		484		485		486		487		488		489		490		491		492		493		494		495		496		497		498		499		500		501		502		503		504		505		506		507		508		509		510		511		512		513		514		515		516		517		518		519		520		521		522		523		524		525		526		527		528		529		530		531		532		533		534		535		536		537		538		539		540		541		542		543		544		545		546		547		548		549		550		551		552		553		554		555		556		557		558		559		560		561		562		563		564		565		566		567		568		569		570		571		572		573		574		575		576		577		578		579		580		581		582		583		584		585		586		587		588		589		590		591		592		593		594		595		596		597		598		599		600		601		602		603		604		605		606		607		608		609		610		611		612		613		614		615		616		617		618		619		620		621		622		623		624		625		626		627		628		629		630		631		632		633		634		635		636		637		638		639		640		641		642		643		644		645		646		647		648		649		650		651		652		653		654		655		656		657		658		659		660		661		662		663		664		665		666		667		668		669		670		671		672		673		674		675		676		677		678		679		680		681		682		683		684		685		686		687		688		689		690		691		692		693		694		695		696		697		698		699		700		701		702		703		704		705		706		707		708		709		710		711		712		713		714		715		716		717		718		719		720		721		722		723		724		725		726		727		728		729		730		731		732		733		734		735		736		737		738		739		740		741		742		743		744		745		746		747		748		749		750		751		752		753		754		755		756		757		758		759		760		761		762		763		764		765		766		767		768		769		770		771		772		773		774		775		776		777		778		779		780		781		782		783		784		785		786		787		788		789		790		791		792		793		794		795		796		797		798		799		800		801		802		803		804		805		806		807		808		809		810		811		812		813		814		815		816		817		818		819		820		821		822		823		824		825		826		827		828		829		830		831		832		833		834		835		836		837		838		839		840		841		842		843		844		845		846		847		848		849		850		851		852		853		854		855		856		857		858		859		860		861		862		863		864		865		866		867		868		869		870		871		872		873		874		875		876		877		878		879		880		881		882		883		884		885		886		887		888		889		890		891		892		893		894		895		896		897		898		899		900		901		902		903		904		905		906		907		908		909		910		911		912	

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 0 h, A.M.; 3 h, P.M.; and 9 h, P.M. The means of the observations of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted to the Fahrenheit scale by the following formulae:

$$F = \frac{9}{5}C + 32$$

The corrections deduced from a discussion of the photographic records made during the twenty years ending in 1867 for the barometer, and during the twenty years ending 1868 for the thermometers. With the correction reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the column 8 ft. above the ground.

From the mean daily dew point temperature and degree of humidity are deduced the actual values of the dry and wet bulb thermometers by Glaisher's  $H_1$ ,  $T_{ro}$ , and  $T_{wb}$  tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 10 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The bulbs employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and variable.

The numbers in column 2b derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the full day, or from midnight to midnight. The reading of the barometer increased from 29.59 in. at the beginning of the week to 30.18 in.

## GENERAL REMARKS,

SUNDAY	9	m. P. in morning; w. S. and v. P. after- wards.	5·6	11·4	Fine in morning; variable with occasional slight snow till afternoon; cloudless and very fine after- wards.
MONDAY	10	m. P. till 7h. A.M.; s. N. till 11h. A.M.; w. P. afterwards.	0·0	11·4	Fine till 4h. A.M.; afterwards overcast, with fre- quent rain till afternoon.
TUESDAY	11	w. P. in morning; w. P. afterwards.	4·3	11·5	Overcast in morning; partially cloudy and fine afterwards.
WEDNESDAY	12	m. P. generally	9·0	11·6	Very fine; generally cloudless.
THURSDAY	13	w. P. in morning; v. P. afterwards.	0·0	11·6	Overcast generally.
FRIDAY	14	v. P. in morning; m. P. generally after- wards.	5·9	11·7	Fine; partially cloudy.
SATURDAY	15	w. P. till afternoon; m. P. afterwards.	3·3	11·8	Fine in early morning; generally overcast till noon; then afterwards; partially cloudy till evening; cloudless at night.
			Sum 28·1	Sum 81·0	

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 12. 1890. VOL. LI.] WEEK ENDING SATURDAY, MARCH 22. [Price 1½d.

General Register Office, Somerset House,  
24th March, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21·7 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.		Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.
Birkenhead	22·3	22·8	14·4	18·4	Liverpool -	29·5	30·2	26·0	23·2
Birmingham	23·1	27·8	23·8	21·0	London -	21·3	22·3	20·9	19·3
Blackburn -	36·3	38·8	35·9	28·3	Manchester -	40·8	45·6	35·9	30·5
Bolton -	43·7	40·1	37·8	26·6	Newcastle-on-Tyne	28·5	29·4	29·4	24·3
Bradford -	34·9	32·7	24·1	24·1	Norwich -	29·0	25·2	24·1	16·4
Brighton -	18·1	20·7	20·7	17·7	Nottingham -	21·3	21·9	19·4	19·6
Bristol -	27·2	26·5	26·0	24·2	Oldham -	30·9	26·3	19·2	27·4
Cardiff -	16·5	19·2	20·9	23·6	Plymouth -	23·8	31·1	27·1	21·2
Derby -	24·8	22·2	24·8	17·1	Portsmouth -	22·3	22·6	21·2	25·9
Halifax -	29·9	35·0	29·9	26·1	Preston -	43·1	38·7	27·8	25·8
Huddersfield	26·6	28·2	20·5	24·3	Salford -	28·8	33·1	22·4	22·8
Hull -	21·5	22·7	22·2	25·1	Sheffield -	35·1	38·7	33·4	28·0
Leeds -	36·5	29·5	27·4	26·2	Sunderland -	26·4	24·4	26·4	18·3
Leicester -	17·9	22·6	20·3	14·5	Wolverhampton -	35·6	39·4	21·9	28·8

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·9 in Salford, 2·2 in Bristol, 2·7 in Bolton, and 4·2 in Brighton; from *measles*, 1·2 in Liverpool, and 1·6 in Derby; and from *scarlet fever*, 1·3 in Wolverhampton. The death-rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 43 deaths from *diphtheria* in these towns included 23 in London, 3 in Liverpool, 3 in Birmingham, 3 in Manchester, 3 in Salford, and 2 in Sheffield. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2534 BIRTHS and 1637 DEATHS were registered. Allowing for increase of population, the births were 306, and the deaths 231, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 22·3 and 20·9 in the two preceding weeks, further fell last week to 19·3. During the first twelve weeks of the current quarter the death-rate averaged 24·0 per 1000, and was 1·3 per 1000 above the mean rate in the corresponding periods of the ten years 1880–89.

The 1637 deaths included 45 from measles, 11 from scarlet fever, 23 from diphtheria, 76 from whooping-cough, 7 from enteric fever, 14 from diarrhoea and dysentery, and not one from small-pox, typhus, any ill-defined form of continued fever, or cholera; thus, 176 deaths were referred to these diseases, being 45 below the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



No death from *small-pox* was registered, the corrected average being 10; 7 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The cause of death of a child, aged 10 months, in Battersea, was certified as "chicken-pox, erysipelas." The deaths from *measles*, which had been 35 in each of the two preceding weeks, rose last week to 45, being, however, 8 below the corrected average; 6 belonged to Paddington, 3 to Pancras, 6 to Islington, 3 to St. Luke, 3 to Bermondsey, 6 to Lambeth, and 3 to Battersea sanitary areas. The fatal cases of *scarlet fever*, which had been 14, 12, and 18 in the three previous weeks, declined again last week to 11, and were 12 below the corrected average; 2 belonged to Hackney and 2 to Shoreditch sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1124 scarlet fever patients at the end of the week, against numbers declining from 1609 to 1153 in the eleven preceding weeks; 87 cases were admitted to these hospitals during the week, against 88, 53, and 76 in the three preceding weeks. The deaths from *diphtheria*, which had numbered 24, 19, and 25 in the three previous weeks, declined again last week to 23, but exceeded the corrected average by 8; 3 belonged to Kensington, 3 to Pancras, 2 to Hackney, 2 to Shoreditch, 4 to Bethnal Green, and 2 to Poplar sanitary areas. The deaths from *whooping-cough*, which had fallen steadily from 115 to 86 in the five preceding weeks, further declined last week to 76, being 12 below the corrected average; 6 belonged to Islington, 4 to Shoreditch, 5 to Bethnal Green, 5 to Mile End Old Town, 5 to Poplar, 5 to Lambeth, and 4 to Greenwich sanitary areas. The deaths attributed to *diarrhæa* and *dysentery*, which had been 12, 9, and 14 in the three previous weeks, were again 14 last week, being 1 below the corrected average.

The deaths referred to *enteric fever*, which had declined from 12 to 3 in the five previous weeks, rose again last week to 7, being, however, but half the corrected average; 3 belonged to Battersea sanitary area. The Metropolitan Asylum Hospitals contained 69 cases of enteric fever, and not one of typhus, on Saturday last; 12 cases of enteric fever were admitted during the week, against 9, 8, and 10 in the three preceding weeks.

The deaths primarily attributed to *influenza*, which had been 23, 24, and 11 in the three previous weeks, rose again last week to 17, of which 6 occurred in the South, 5 in the North, and 4 in the West groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had numbered 510 and 447 in the two preceding weeks, further fell last week to 381, being 121 below the corrected average.

The death of a female was registered in St. George Hanover Square district, whose age was stated to be 100 years, the assigned cause of death being "senile decay."

Different forms of violence caused 49 deaths, concerning all but one of which inquests were held. Of these 49 deaths, 5 were cases of suicide, and 2 of murder or manslaughter, while the remaining 42 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 6 by burns or scalds, 1 by poison, 3 by drowning, and 14 (including 9 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3322 births and 2083 deaths were registered, corresponding to annual rates of 30·1 and 18·9 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 12 from measles, and 8 from diphtheria were registered. The deaths from whooping-cough included 5 in West Ham sub-district, and 3 in that of Croydon. Six deaths were returned from measles in Croydon sub-district, and 2 each from diphtheria in Bromley, Hillingdon, and Leyton sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·30 ins.; the lowest reading was 29·02 ins. on Sunday evening, and the highest 29·61 ins. at the end of the week. The mean temperature of the *air* was 43°·3, and 1°·9 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Wednesday and Thursday, while it was in excess on the other days of the week, the warmest day being Sunday. The general direction of the *wind* was South-Westerly, and the horizontal movement of the air averaged 11·9 miles per hour, which was 1·0 mile below the average in the corresponding weeks of 16 years. *Rain* fell on four days of the week, to the aggregate amount of 0·81 of an inch. The duration of registered bright sunshine in the week was 21·5 hours, against 22·6 hours at Glynde Place, Lewes.

TABLE 3.—BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 22nd March, 1890.

CITIES AND BOROUGHs.	POPULATION estimated to the middle of the Year 1890.*		Registered during the Week ending 22nd Mar., 1890.		Deaths of infants under 1 Year of Age.		Deaths of Persons aged 1 Year and upwards.		Small-pox.		Measles.		Scarlet Fever.		Diphtheria.		Whooping- cough.		Typhoid.		Diarrhoea.		Violence.		Inquest Cases.		Deaths in Public Institutions.		Unrecorded Causes of Death.		Annual Rate per 1,000 of the Population corresponding to the Week's Deaths		TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGHs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TABLE 2. LONDON.—Births and Deaths Registered in the TWELFTH Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2584	2640	2559	2466	2665	2537	2781	2671	2522	2670	2840·1	2534
Males . .	1342	1313	1284	1250	1342	1271	1384	1397	1284	1404	1447·1	1283
Females .	1242	1327	1275	1216	1323	1266	1347	1274	1238	1266	1393·0	1251
<b>TOTAL Deaths</b>	1505	1516	1827	1887	1588	1734	2141	1720	1655	1554	1867·6	1637
Males . .	766	818	884	941	799	869	1067	860	835	762	937·9	850
Females .	739	698	943	946	789	865	1074	860	820	792	929·7	787

\* The numbers in this column are the average weekly numbers in the twelfth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.
<b>TOTAL Births</b>	1815	2961	2818	2714	2510	2699	2707	2793	2702	2561	2536	2717	2534
<b>TOTAL Deaths</b>	1690	2371	2747	2720	2227	1849	1749	1809	1847	1802	1889	1771	1637
<b>Ages at Death</b>													
{ 0–20 years	651	834	939	909	775	703	714	763	753	739	798	776	729
{ 20–40 "	220	346	367	450	349	282	238	218	256	234	226	196	193
{ 40–60 "	332	541	670	666	510	369	334	357	363	324	348	303	296
{ 60–80 "	396	552	640	576	508	390	363	390	374	418	428	404	342
{ 80 years & upwards	91	98	131	119	90	105	100	81	101	87	89	92	77
<b>"</b>													
{ Under 1 year	326	398	430	415	386	350	372	352	393	367	394	392	381
{ 1–5 "	232	310	375	344	294	250	254	306	259	263	294	271	270
{ 5–20 "	93	126	134	150	95	103	88	105	101	109	110	113	78
<b>Deaths from Small-pox</b>	—	—	—	—	—	—	—	—	1	—	—	—	—
" " Measles	29	36	24	24	21	11	8	21	14	19	35	35	45
" " Scarlet fever	14	15	13	22	10	14	19	14	13	14	12	18	11
" " Diphtheria	26	32	26	22	22	24	24	39	27	24	19	25	23
" " Whooping-cough	67	98	112	104	82	67	91	115	103	97	95	86	76
" " Typhus	2	—	—	—	1	—	—	—	—	—	—	—	—
" " Enteric fever	13	12	11	14	10	9	2	12	8	7	4	3	7
" " Simple Cont <sup>a</sup> fever	—	—	1	1	—	—	—	1	1	1	1	1	—
" " Diarrhoea and Dysentery	19	10	12	6	14	9	4	6	21	12	9	14	14
" " Cholera	—	—	—	—	—	—	—	—	—	—	—	—	—
" " all the above-mentioned Diseases	170	205	199	193	160	134	148	203	188	174	175	182	176
" " Dis. of Respiratory System	467	843	1069	1010	736	550	485	439	452	492	510	447	381
" " Phthisis	180	247	267	312	239	220	209	215	218	224	206	164	169
" " Dis. of Circulatory System	158	222	275	209	193	116	154	143	162	146	163	145	148
<b>Violent Deaths</b>	47	91	55	65	60	62	58	56	77	52	65	76	49
<b>Inquest Cases</b>	121	195	192	171	142	127	125	137	143	134	120	162	115
<b>Deaths in Public Institutions</b>	400	494	534	626	491	471	401	436	434	425	406	390	406
<b>TEMPERATURE OF THE AIR</b>													
Mean	39·8	32·8	47·6	45·5	42·7	42·9	37·1	35·9	39·4	35·4	36·4	45·3	43·3
Mean of Highest readings	44·0	36·7	52·4	50·6	48·4	48·3	42·7	41·7	43·9	42·0	43·6	54·0	52·0
Mean of Lowest readings	35·2	28·5	43·0	39·4	36·9	38·2	32·0	30·8	35·9	30·4	29·0	37·6	36·0
<b>Humidity of the Air</b>	90	97	89	86	84	90	89	87	89	87	69	79	82
<b>Rain-fall in inches</b>	0·61	0·11	0·40	0·13	0·77	0·73	0·05	0·88	0·04	0·22	0·33	0·24	0·31
<b>Registered Sunshine (in hours)</b>	3·2	5·0	10·1	7·3	14·9	8·9	9·5	31·2	12·4	9·7	12·1	28·1	21·5

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWELFTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 12th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 22nd March 1890.								Corrected Averages for the 12th Weeks of the 10 years 1880-89.*	CAUSES OF DEATH.	Corrected Averages for the 12th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 22nd March 1890.									
		Deaths of Persons of the Ages											Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			40.	40 and under 60.	60 and under 80.					80 Years and upwards.	ALL AGES.	Under 20.			40.	40 and under 60.	60 and under 80.		80 Years and upwards.
			0-1.	1-5.	5-20.										0-1.	1-5.	5-20.					
ALL CAUSES	1867.6	1637	381	270	78	193	296	342	77	Diseases of Organs of Special Sense †	2.1	3	-	3	-	-	-	-	-	-	-	
Small-pox { Vaccinated† - - - - - Unvaccinated - - - - - No Statement - - - - - }	10.3	-	-	-	-	-	-	-	-	Diseases of Circulatory System	134.6	143	4	2	9	18	42	64	9	-		
Measles - - - - -	53.2	45	9	33	4	-	-	-	-	Croup - - - - -	12.1	12	3	8	1	-	-	-	-	-	-	
Scarlet Fever - - - - -	22.8	11	1	6	3	1	-	-	-	Bronchitis - - - - -	312.9	229	61	39	3	9	36	67	14	-	-	
Typhus - - - - -	1.0	-	-	-	-	-	-	-	-	Pneumonia - - - - -	126.3	107	18	29	5	22	16	15	2	-	-	
Relapsing Fever † - - - -	0.0	-	-	-	-	-	-	-	-	Pleurisy - - - - -	6.3	4	-	-	1	2	-	1	-	-	-	
Indienna - - - - -	0.1	17	1	-	1	2	6	6	1	Other Diseases of Respiratory System - - -	44.5	29	5	5	1	3	7	8	-	-	-	
Whooping-cough - - - - -	88.0	76	28	47	1	-	-	-	-	Dentition † - - - - -	20.3	15	8	7	-	-	-	-	-	-	-	
Diphtheria - - - - -	15.3	23	-	17	5	1	-	-	-	Quinsy, Sore Throat † -	2.8	2	-	-	1	1	-	-	-	-	-	
Simple Continued and Ill-defined Fever - - -	1.3	-	-	-	-	-	-	-	-	Enteritis - - - - -	7.2	7	2	-	2	1	2	-	-	-	-	
Enteric Fever - - - - -	13.8	7	-	1	4	2	-	-	-	Peritonitis - - - - -	6.4	4	1	-	-	2	1	-	-	-	-	
Cholera - - - - -	0.2	-	-	-	-	-	-	-	-	Diseases of Liver - - -	31.5	21	-	-	-	4	9	8	-	-	-	
Diarrhoea, Dysentery - - -	15.2	14	10	1	-	-	-	2	1	Other Diseases of Digestive System -	33.3	21	5	-	2	3	3	6	2	-	-	
Remittent Fever † - - - -	0.4	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - - -	1.1	5	-	-	1	1	3	-	-	-	-	
Hydrophobia - - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Urinary System - - - - -	43.8	29	-	1	1	1	9	16	1	-	-	
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Generative System - - - - -	6.4	7	-	-	-	4	3	-	-	-	-	
Cowpox and Effects of Vaccination † - - - -	0.4	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4.4	-	-	-	-	-	-	-	-	-	-	
Veneral Affections - - - -	10.4	12	9	1	-	1	-	1	-	Diseases of Locomotive System † - - - -	7.6	10	-	1	2	3	-	4	-	-	-	
Erysipelas - - - - -	5.9	5	1	-	-	-	-	3	1	Diseases of Integumentary System - - - -	6.8	5	-	-	-	2	1	2	-	-	-	
Pyæmia and Septicæmia †	2.8	2	1	1	-	-	-	-	-	<b>VIOLENT DEATHS.‡</b>												
Puerperal Fever - - - - -	3.9	2	-	-	-	2	-	-	-	(ACCIDENT.)												
Other Zymotic Diseases †	2.1	1	1	-	-	-	-	-	-	Fracture and Contusion -	20.9	17	-	2	1	4	7	2	1	-	-	
Thrush - - - - -	1.5	2	2	-	-	-	-	-	-	Gunshot Wound - - - -	0.1	-	-	-	-	-	-	-	-	-	-	
Worms and other Parasitical Diseases - - -	0.5	1	-	-	-	-	1	-	-	Cut, Stab - - - - -	0.4	-	-	-	-	-	-	-	-	-	-	
Starvation, Want of Breast-milk † - - -	2.1	1	1	-	-	-	-	-	-	Burn and Scald - - - -	7.0	6	-	2	-	-	1	2	1	-	-	
Alcoholism - - - - -	5.3	8	-	-	-	1	6	1	-	Poison - - - - -	1.2	1	-	1	-	-	-	-	-	-	-	
Rheumatic Fever, Rheumatism of Heart†	6.8	5	-	-	3	-	2	-	-	Drowning - - - - -	4.9	3	-	-	-	2	-	1	-	-	-	
Rheumatism † - - - - -	3.2	1	-	-	-	-	-	-	1	Suffocation - - - - -	15.6	14	9	3	1	1	-	-	-	-	-	
Gout - - - - -	2.8	4	-	-	-	-	-	-	-	Otherwise - - - - -	2.6	1	1	-	-	-	-	-	-	-	-	
Rickets † - - - - -	6.2	7	2	5	-	-	-	-	-	(HOMICIDE.)												
Cancer - - - - -	54.0	65	-	-	-	7	35	22	1	Murder & Manslaughter -	1.2	2	2	-	-	-	-	-	-	-	-	
Tabes Mesenterica - - - -	22.5	20	11	5	3	1	-	-	-	(SUICIDE.)												
Tubercular Meningitis - -	32.3	22	8	9	3	2	-	-	-	Gunshot Wound - - - -	0.4	-	-	-	-	-	-	-	-	-	-	
Phthisis - - - - -	188.4	169	1	8	10	74	59	17	-	Cut, Stab - - - - -	1.0	-	-	-	-	-	-	-	-	-	-	
Scrofula, Tuberculosis - -	18.4	23	8	10	2	-	-	-	-	Poison - - - - -	2.1	2	-	-	-	-	-	-	-	-	-	
Other Constitutional Diseases † - - - -	12.1	18	1	1	2	3	3	3	-	Drowning - - - - -	0.9	-	-	-	-	-	-	-	-	-	-	
Premature Birth - - - - -	39.3	42	42	-	-	-	-	-	-	Hanging - - - - -	1.2	-	-	-	-	-	-	-	-	-	-	
Atelectasis † - - - - -	3.0	2	2	-	-	-	-	-	-	Otherwise - - - - -	1.0	-	-	-	-	-	-	-	-	-	-	
Congenital Malformations -	9.6	7	7	-	-	-	-	-	-	(EXECUTION.)												
Old Age - - - - -	63.6	56	-	-	-	-	23	33	-	Hanging - - - - -	0.2	-	-	-	-	-	-	-	-	-	-	
Apoplexy - - - - -	49.2	41	1	-	-	2	11	24	3	OTHER CAUSES † - - -	62.7	60	53	1	-	2	1	3	-	-	-	
Epilepsy - - - - -	6.0	5	-	-	-	1	1	3	-													
Convulsions - - - - -	55.2	43	43	3	-	-	-	-	-													
Other Diseases of Brain and Nervous System -	102.6	109	17	19	6	5	22	34	6													

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



## Deaths from some Zymotic and other Causes.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the Week include																				
REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes
				Infants under 1 Year of Age.	Persons aged 60 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.					
LONDON	3,815,704	2534	1637	381	419	-	45	11	23	76	-	7	-	14	49	115	406			
WEST DISTRICTS	689,683	377	283	53	84	-	9	1	3	11	-	1	-	4	6	11	84			
NORTH DISTRICTS	905,947	559	375	89	103	-	9	7	8	13	-	2	-	4	10	27	79			
CENTRAL DISTRICTS	282,238	144	118	25	17	-	6	-	2	5	-	-	-	-	6	8	40			
EAST DISTRICTS	692,738	515	312	90	70	-	6	2	7	23	-	-	-	1	13	39	80			
SOUTH DISTRICTS	1,365,148	939	548	119	145	-	15	-	3	25	-	4	-	5	14	30	113			
METROPOLITAN ASYLUM (Hos- PITALS OUTSIDE REGISTRATION) LONDON	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-			
WEST DISTRICTS.																				
St. Mary Paddington WHH G.J. & W.M.	69898	56	30	8	7	-	6	-	-	2	-	-	-	-	-	1	3			
St. John Paddington H - - G.J.	37380	7	17	3	5	-	-	-	-	-	-	-	-	-	1	2	9			
Kensington Town Ww - - W.M.	120141	69	55	9	16	-	-	-	1	3	-	1	-	1	2	2	22			
Brompton H - - W.M. & C.	49010	12	11	1	8	-	1	-	1	-	-	-	-	-	-	-	3			
St. Peter Hammersmith - - W.M.	7899	5	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. Paul Hammersmith H W.M. & G.J.	64340	56	30	9	9	-	-	-	-	3	-	-	-	1	-	2	8			
Fulham Ww - - W.M. & C.	42900	47	33	9	8	-	-	1	1	-	-	-	-	-	-	-	-			
Chelsea South HHH - - C.	30396	14	12	2	5	-	-	-	-	-	-	-	-	-	-	2	-			
Chelsea North-west WHHHHH C.	24925	12	25	4	7	-	-	-	-	-	-	-	-	1	3	14	-			
Chelsea North-east - - C.	32807	29	5	1	1	-	-	-	-	1	-	-	-	-	-	-	-			
May Fair Ww - - G.J.	80353	7	6	-	5	-	1	-	-	-	-	-	-	1	-	-	3			
Belgrave WHHH - - C.	59220	32	26	5	8	-	1	-	-	-	-	-	-	-	1	1	14			
St. John Westminster HHH - C.	85496	18	12	2	5	-	-	-	-	2	-	-	-	-	-	-	2			
St. Margaret Westminster H - C.	24679	12	8	2	1	-	-	-	-	-	-	-	-	-	1	1	2			
St. James Westminster WHH N.R. & G.J.	29941	6	5	2	-	-	-	-	-	-	-	-	-	-	-	-	1			
St. Anne Soho HHHHHHH - N.R.	18608	5	5	1	3	-	-	-	-	-	-	-	-	-	-	-	-			
NORTH DISTRICTS.																				
All Souls Marylebone HHHHH W.M.	26759	8	12	2	2	-	-	-	1	-	-	-	-	-	-	1	6			
Cavendish Square HHHH - W.M.	14891	3	1	-	3	-	-	-	-	-	-	-	-	1	1	1	2			
Rectory Marylebone WH G.J. & W.M.	24809	12	11	2	3	-	-	-	-	-	-	-	-	-	-	-	-			
St. Mary Marylebone HHH G.J. & W.M.	21118	31	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-			
Christchurch Marylebone HH - W.M.	33700	21	10	3	1	-	-	-	-	-	-	-	-	1	2	-	-			
St. John Marylebone H - W.M.	33638	10	13	8	2	-	-	-	-	2	-	-	-	1	2	-	-			
Hampstead WwHHHH N.R. & W.M.	45452	29	22	2	8	-	-	1	2	-	-	1	-	-	-	1	5			
Regent's Park Pancras H - W.M.	89115	20	10	2	2	-	-	-	-	1	-	-	-	-	-	1	-			
Tottenham-court WHHHH N.R. & W.M.	27729	12	16	6	2	-	-	-	-	-	-	-	-	-	-	1	5			
Gray's Inn Lane HHH - N.R.	80247	16	14	3	3	-	2	-	-	2	-	-	-	-	-	-	4			
Somers Town H - - N.R.	84369	16	12	5	2	-	-	-	1	-	-	-	-	-	-	-	1			
Camden Town WH - - N.R.	17311	10	13	1	6	-	-	-	-	-	-	-	-	-	-	1	11			
Kentish Town W - - N.R.	87437	66	29	8	10	-	1	-	-	-	-	-	-	2	3	8	3			
Upper Holloway WwWH - - N.R.	67046	42	43	11	11	-	-	-	-	3	-	-	-	1	2	4	30			
Islington South-west HH - N.R.	100976	56	32	5	6	-	4	1	-	3	-	-	-	-	-	1	1			
Islington South-east - - N.R.	61826	38	26	9	6	-	1	-	-	-	-	-	-	1	1	2	-			
Highbury H - - N.R.	82048	24	19	4	10	-	1	-	-	-	-	-	-	-	-	-	-			
Stoke Newington H - - N.R.	22781	15	7	2	2	-	-	-	-	-	-	-	-	-	1	1	-			
Stamford Hill - - E.L.	9277	10	3	1	2	-	-	-	-	1	-	-	-	-	-	-	-			
West Hackney H - - N.R.	87610	28	17	2	4	-	-	1	1	-	-	-	-	-	-	2	1			
Hackney WwWH - - E.L. & N.R.	76911	64	50	7	17	-	-	-	3	-	-	1	-	-	-	2	20			
South Hackney - - E.L.	39883	23	10	3	3	-	-	-	-	-	1	-	-	-	-	1	-			
CENTRAL DISTRICTS.																				
St. George Bloomsbury - - N.R.	16681	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Giles South WH - - N.R.	14884	15	13	4	2	-	-	-	-	-	-	-	-	-	-	-	-			
St. Giles North - - N.R.	13887	7	7	4	1	-	-	-	-	-	-	-	-	-	-	-	6			
St. Martin-in-the-Fields HHH N.R. & C.	17509	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Mary-le-Strand H - - N.R.	7616	1	6	2	-	-	-	-	-	-	-	-	-	-	1	1	2			
St. Clement Danes H - - N.R.	8559	1	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Strand Union Workhouse, Edmonton. w.	-	-	4	-	2	-	-	-	-	-	-	-	-	-	-	1	5			
St. Geo.-the Martyr HHHHHHH N.R.	15671	5	14	3	4	-	-	-	-	-	-	-	-	-	-	-	4			
St. Andrew Eastern W - - N.R.	10706	11	4	-	2	-	-	-	-	1	-	-	-	-	-	-	5			
Saffron Hill H - - N.R.	6533	1	3	1	1	-	-	-	-	-	-	-	-	-	-	-	2			
St. James Clerkenwell - - N.R.	17516	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Amwell Clerkenwell - - N.R.	19281	7	3	-	1	-	-	-	1	-	-	-	-	-	-	-	-			
Pentonville - - N.R.	14773	12	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-			
Goswell-street - - N.R.	17606	13	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Old-street H - - N.R.	11541	9	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-			
City-road HHL - - N.R.	13623	14	7	2	1	-	-	-	1	-	-	-	-	-	-	-	1			
Whitecross-street - - N.R.	9217	9	5	2	1	-	-	-	-	-	-	-	-	-	-	1	-			
Finsbury - - N.R.	7463	1	3	1	-	-	-	-	-	1	-	-	-	-	-	-	-			
Holborn Union Workhouse, Mitcham. w.	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-			
St. Botolph H - - N.R. & E.L.	11174	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Cripplegate - - N.R.	7193	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Sepulchre H - - N.R.	5358	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Bride W - - N.R.	8396	4	1	1	-	-	-	-	-	-	-	-	-	-	4	4	14			
Alhallowe Barking - - N.R.	13666	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
Broad Street H - - N.R.	5632	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein; namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page) The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT

[illegible]

The following WORKSHOPS Establishments are indicated in the above Table by w (see note at foot of preceding page) :—

Central London Sick Asylum	in Tottenham Court sub-district.	Stepney Workhouse	in Bromley sub-district.
Doiborn Infirmary	in Upper Holloway sub-district.	Poplar & Stepney Sick Asylum	" "
London City Workhouse	" Hackney sub-district.	Westminster Union Industrial School	in West Battersea sub-district.
Doiborn	" Hoxton New Town sub-district.	St. Saviour's Infirmary	in Camberwell sub-district.
Whitechapel	" Mile End Old Town Eastern sub-dist.	Metropolitan Asylum District Hospital	in Finsbury Park, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.
London City	" Mile End Old Town Eastern sub-dist.	Strand and Holborn Workhouses	outside Registration London.
	" " and Bromley sub-district.		



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION: BIRTHS and DEATHS registered during the Week ending Saturday, 22nd March, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Aeres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes.	
LONDON—OUTER RING		370,924	950,957	788	446	94	126	-	12	3	8	23	1	2	8	24	77		
80: 1	Carshalton <i>wL</i>	-	12223	21118	7	11	1	1	-	-	-	-	-	-	-	-	-	10	
2	Epsom (part of)* <i>WwH</i>	-	9971	10710	5	1	1	-	-	-	-	-	-	-	-	-	-	-	
37: 1	Godstone (part of)*	-	3754	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
38: 1	Croydon <i>WwH L</i>	-	20851	101241	61	46	7	18	-	6	-	1	3	-	-	2	8	9	
2	Mitcham <i>w†</i>	-	11697	17932	14	4	-	1	-	-	-	-	-	-	-	1	-	-	
39: 1	Wimbledon <i>HHH</i>	-	3220	15950	11	5	1	1	-	-	-	-	-	-	-	-	-	1	
2	Kingston <i>WHH</i>	-	8549	36354	15	16	3	6	-	-	-	-	-	-	-	-	-	7	
3	Esher (part of)*	-	6601	9221	5	1	1	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i>	-	4573	13539	9	9	1	5	-	-	-	-	-	-	-	-	-	-	
40: 1	Richmond <i>WH</i>	-	2272	21302	9	6	8	-	-	-	-	-	-	-	1	1	-	-	
2	Mortlake	-	2941	12331	11	4	2	-	-	1	-	-	-	-	-	-	1	-	
41: 1	Bromley (pt. of)* <i>HH</i>	-	15669	81142	21	10	3	4	-	-	-	2	-	-	-	-	-	1	
2	Chislehurst (pt. of)* <i>WHH</i>	-	14307	15844	10	4	-	1	-	-	-	-	-	-	-	-	-	2	
42: 1	Bexley <i>H</i>	-	13437	24134	19	8	1	4	-	-	-	-	-	-	1	1	-	-	
2	Dartford ( <i>Ww</i> , pts. of)*†	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	1	-	
124: 1	Sunbury <i>w</i>	-	11055	11684	8	2	-	-	-	-	-	-	-	-	-	1	-	-	
2	Staines <i>W</i>	-	13277	12089	8	8	2	4	-	-	-	-	-	-	-	-	-	3	
125: 1	Hillingdon <i>WHH</i>	-	6029	10802	12	7	3	1	-	-	-	2	-	-	1	1	2	-	
2	Uxbridge	-	6178	5225	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i>	-	14537	11523	3	6	1	2	-	-	-	-	-	-	-	-	-	4	
126: 1	Isleworth <i>WHH</i>	-	7008	22727	14	13	3	3	-	-	-	-	-	-	-	-	-	1	
2	Twickenham <i>H</i>	-	2477	12479	9	6	-	2	-	-	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i>	-	4345	27649	27	7	1	3	-	-	-	-	-	-	-	-	-	1	
4	Chiswick	-	1340	15975	17	8	1	1	-	-	-	1	-	-	-	-	-	-	
5	Acton <i>wH</i>	-	6083	22376	12	8	3	1	-	-	-	-	-	-	-	2	-	-	
127: 1	Harrow <i>H</i>	-	13809	12796	4	4	1	1	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i>	-	6994	3749	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden	-	4383	27433	27	18	3	6	-	-	-	2	-	-	-	2	-	-	
4	Hendon <i>W</i>	-	8382	10484	8	6	2	3	1	-	-	-	-	-	-	-	4	-	
137: 1	Bushey	-	9331	6621	3	3	-	1	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	
138: 1	South Mimms	-	15199	6391	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet	-	5433	10092	4	4	1	-	-	-	-	1	1	-	-	-	-	-	
3	Finchley <i>HL</i>	-	4638	17615	15	10	-	2	-	-	-	-	-	-	-	-	-	6	
139: 1	Hatfield (part of)*	-	2306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129: 1	Hornsey <i>H</i>	-	3039	37078	29	12	4	2	-	-	-	2	-	1	-	-	-	-	
2	Tottenham <i>H</i>	-	4642	46456	72	33	11	4	2	-	-	2	-	-	1	2	2	-	
3	Edmonton <i>Ww</i>	-	7453	23463	17	17	2	4	-	-	-	-	-	-	1	4	5	-	
4	Enfield <i>WH</i>	-	12653	19104	18	11	2	3	-	1	-	-	1	-	-	1	2	-	
5	Waltham Abbey	-	11017	5943	6	3	-	1	-	-	-	-	-	-	-	-	-	-	
3	Cheshunt	-	8460	7735	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
136: 1	Stratford	-	832	38006	33	10	4	-	-	-	-	1	-	-	-	-	-	-	
2	West Ham <i>wvH</i>	-	4055	90347	112	53	10	17	-	-	2	-	5	-	1	2	-	-	
3	East Ham <i>wv</i>	-	3226	10708	13	8	4	-	-	-	-	1	-	1	-	-	-	-	
4	Leyton <i>WwL</i>	-	4372	32430	46	29	7	13	-	-	2	1	1	-	-	-	13	-	
5	Walthamstow <i>H</i>	-	6590	23859	25	17	4	3	2	-	-	2	-	-	-	1	-	-	
137: 1	Chigwell (part of)* <i>H</i>	-	11761	9699	8	4	-	3	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139: 1	Romford (part of)* <i>W</i>	-	6730	3411	1	2	-	1	-	-	-	-	-	-	-	-	-	2	
2	Ilford	-	5493	7645	3	1	-	1	-	-	-	-	-	-	-	-	-	-	
3	Barking Town	-	4127	9203	19	1	1	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37: 1, the parishes of Warringtonham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Nortonham in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 475); 139: 1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5). § Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchester Hill (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 22nd March, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
ATER LONDON	448,334	5,758,500	18·9	2·0	2083	475	545	-	57	14	31	99	8	16	57	483		
INNER LONDON -	77,410	4,421,661	19·3	2·1	1637	381	419	-	45	11	23	76	7	14	49	406		
UTER RING -	370,924	1,336,839	17·4	1·9	446	94	126	-	12	3	8	23	1	2	8	77		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 6'622 square miles, which is equivalent to the area of a circle having a radius of 14'933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,214,602 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CUTTACK	433,219	February 8	-	348	41·9	17	1	-	-	-	85	144†	
BOMBAY	773,196	" 25	272	472	25·2	8	12	?	?	?	149	34†	
MADRAS	398,777	January 24	276	238	31·0	1	9	?	?	?	56	39†	
COCHIN	2,260,945	March 15	1184	1185	27·3	3	25	6	44*	19	7	50	
BRUSSELS (3 Faubourgs.)	477,288	" 15	272	218	24·2	-	2	-	1	-	1	7	
AMSTERDAM	406,402	" 15	-	-	-	-	-	-	-	-	-	-	
ROTTERDAM	203,496	" 15	-	-	-	-	-	-	-	-	-	-	
THE HAGUE	156,497	" 15	-	-	-	-	-	-	-	-	-	-	
COPENHAGEN	307,000	" 15	200	153	26·0	-	-	3	10	3	-	5	
STOCKHOLM	228,218	" 8	162	94	21·4	-	-	8	6*	2	1	9	
CHRISTIANIA	138,300	" 15	59	79	29·7	-	3	-	4	4	-	1	
BERGAMO	924,106	" 1	-	591	33·3	1	22	31	10	2	8	45	
PARIS	1,526,887	" 1	886	645	21·9	-	3	3	27	11	3	41	
LYON (State)	675,276	" 8	442	295	26·7	-	-	2	11*	3	4	8	
BRUSSELS	269,250	" 8	167	148	23·6	-	1	3	8*	-	1	5	
BRATISLAVA	324,143	" 15	224	155	25·4	-	-	3	4*	1	-	5	
PRAGUE	298,000	" 8	240	205	35·8	-	8	-	9*	-	-	20	
VIENNA	822,176	" 8	587	475	30·0	-	7	1	10	3	4	14	
BUDAPEST	314,425	" 8	-	169	28·0	-	5	2	1	2	3	4	
VIENNA	463,017	" 8	354	334	37·5	-	2	2	16	-	4	22	
VIENNA	160,092	" 15	87	131	42·6	-	-	-	2*	1	-	1	
VIENNA	409,692	January 11	264	219	27·9	-	-	-	2	2	6†	9	
VIENNA (10 days)	314,827	February 20	208	227	26·3	-	5	-	2	2	4	14	
VIENNA	156,515	March 1	82	81	27·0	8	-	-	4	-	1	2	
VIENNA	156,515	" 8	83	93	31·0	15	-	-	1	-	-	8	
VIENNA	374,838	February 27	372	412	57·3	-	-	-	1	7	25	106	
VIENNA	231,396	" 27	220	169	33·1	-	-	-	3*	-	7	30	
VIENNA	1,595,547	March 1	-	730	23·9	-	10	3	25	6	6	13	
VIENNA	852,467	" 1	-	360	22·0	-	2	4	17	2	1	2	
VIENNA	1,064,277	" 1	-	443	21·7	-	5	3	11	-	12	3	
VIENNA	500,343	" 1	-	221	23·0	-	18	2	6	1	2	3	
VIENNA	254,000	" 22	-	146	30·0	-	-	-	2	-	1	14.	

\* Including deaths from croup.

† Including 109 deaths from cholera in Calcutta, 7 in Bombay, and 2 in Madras.

‡ Including 2 deaths from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, MARCH 22ND, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		Mo. and Day.		Phases of the Moon.		Barometer.		TEMPERATURE.				Difference between the Air Temperature and Dew Point.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose receiving surface is 5 inches above the Ground.	
						Mean daily reading (cor. rected down to 32° Fahr. held).	Reduced.	Of the Air.	Low. est.	Daily Range.	Mean daily value.	De. parture from average of 20 years.	Of the Point.	Mean daily value.	Great. est.	Least.	Degree of humidity (Satu. ration equals 100).	Of Radiation.	High. est. in Sun's Rays.	Low. est.	Of the Water of the Thames at Deptford.	General Direction.	Osler's.		
								High. est.	Low. est.	Mean daily value.	Great. est.	Least.	Degree of humidity (Satu. ration equals 100).	Of Radiation.	High. est. in Sun's Rays.	Low. est.	Of the Water of the Thames at Deptford.	General Direction.	Osler's.	Pressure on the Square Foot.	Robinson's.				
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The height of the cistern of the barometer is 150 feet above the mean level of the sea; the correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1877 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The cistern of the water of the Thames are suspended at a depth of two feet below the surface, the level of the jetty of the Railway Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 29.27 in. at the beginning of the week to 29.09 in. by 8h. P.M. on the 16th; increased to 29.33 in. by 9h. P.M. on the 17th; decreased to 29.15 in. by 8h. P.M. on the 18th; increased to 29.31 in. by 8h. P.M. on the 19th; decreased to 29.20 in. by 8h. P.M. on the 20th; increased to 29.33 in. by 8h. P.M. on the 21st; and decreased to 29.20 in. by 8h. P.M. on the 22nd.

OFFICIAL COPY.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 13. 1890. VOL. LI.] WEEK ENDING SATURDAY, MARCH 29. [Price 1½d.

General Register Office, Somerset House,  
31st March, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21·4 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.		Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.
Birkenhead	22·8	14·4	18·4	19·4	Liverpool -	30·2	26·0	23·2	22·3
Birmingham	27·8	23·8	21·0	22·4	London -	22·3	20·9	19·3	18·5
Blackburn	38·8	35·9	28·3	27·9	Manchester	45·6	35·9	30·5	31·9
Bolton	40·1	37·8	26·6	19·4	Newcastle-on-Tyne	29·4	29·4	24·3	28·8
Bradford	32·7	24·1	24·1	24·9	Norwich	25·2	24·1	16·4	26·2
Brighton	20·7	20·7	17·7	28·7	Nottingham	21·9	19·4	19·6	17·9
Bristol	26·5	26·0	24·2	19·1	Oldham	26·3	19·2	27·4	21·3
Cardiff	19·2	20·9	23·6	20·9	Plymouth	31·1	27·1	21·2	21·8
Derby	22·2	24·8	17·1	21·7	Portsmouth	22·6	21·2	25·9	20·8
Halifax	35·0	29·9	26·1	23·5	Preston	38·7	27·8	25·8	23·3
Huddersfield	28·2	20·5	24·3	20·5	Salford	33·1	22·4	22·8	26·7
Hull -	22·7	22·2	25·1	23·7	Sheffield	38·7	33·4	28·0	29·3
Leeds	29·5	27·4	26·2	22·6	Sunderland	24·4	26·4	18·3	21·8
Leicester	22·6	20·3	14·5	22·6	Wolverhampton	39·4	21·9	28·8	19·4

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·3 in Wolverhampton, 1·4 in Liverpool, in Oldham, and in Bolton, 1·5 in Salford, and 3·0 in Brighton; from *measles*, 1·6 in Liverpool and in Birmingham, and 2·1 in Derby; and from *scarlet fever*, 1·3 in Salford, 1·9 in Sheffield, and 3·0 in Preston. The death-rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 46 deaths from *diphtheria* in these towns included 30 in London, 4 in Salford, 4 in Hull, 2 in Manchester, and 2 in Sheffield. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2543 BIRTHS and 1571 DEATHS were registered. Allowing for increase of population, the births were 328, and the deaths 265, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the three previous weeks from 22·3 to 19·3, further fell last week to 18·5, this being the lowest rate recorded in any week of this year. During the thirteen weeks ending last Saturday the death-rate averaged 23·6 per 1000, and was 1·0 per 1000 above the mean rate in the corresponding periods of the ten years 1880-89.

The 1571 deaths included 45 from *measles*, 10 from *scarlet fever*, 30 from *diphtheria*, 101 from *whooping-cough*, 7 from *enteric fever*, 1 from an ill-defined form of continued fever, 13 from *diarrhoea* and *dysentery*, and not one from

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



small-pox, typhus, or cholera; thus, 207 deaths were referred to these diseases, being 19 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 12; 7 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 35, 35, and 45 in the three previous weeks, numbered 44 last week, being 9 below the corrected average; 5 belonged to Islington, 3 to St. Luke, 3 to Shoreditch, 6 to Bermondsey, and 8 to Battersea sanitary areas. The fatal cases of *scarlet fever*, which had declined from 18 to 11 in the two preceding weeks, were 10 last week, being 15 below the corrected average; 2 belonged to Camberwell sanitary area. The Metropolitan Asylum and London Fever Hospitals contained 1083 scarlet fever patients at the end of the week, against numbers declining from 1609 to 1124 in the twelve preceding weeks; 91 cases were admitted to these hospitals during the week, against 53, 76, and 87 in the three previous weeks. The deaths from *diphtheria*, which had been 19, 25, and 23 in the three preceding weeks, rose last week to 30, exceeding the corrected average by 14; 2 belonged to Chelsea, 3 to Pancras, 3 (all of children of one family in Gray's Inn Buildings) to Holborn, 3 to Shoreditch, 4 to Bethnal Green, 2 to Poplar, 2 to St. George Southwark, and 2 to Lambeth sanitary areas. The deaths from *whooping-cough*, which had declined from 115 to 76 in the six previous weeks, rose again last week to 101, being 10 in excess of the corrected average; 5 belonged to Kensington, 4 to Westminster, 4 to Pancras, 8 to Hackney, 5 to St. Luke, 5 to Shoreditch, 4 to Bethnal Green, 4 to Stepney, 5 to Poplar, 4 to Bermondsey, 6 to Lambeth, 6 to Camberwell, and 5 to Plumstead sanitary areas. The deaths attributed to *diarrhoea* and *dysentery*, which had been 14 in each of the two preceding weeks, numbered 13 last week, and corresponded with the corrected average.

The deaths referred to *enteric fever*, which had risen from 3 to 7 in the two preceding weeks, were again 7 last week, being, however, but half the corrected average; 3 belonged to the North and 3 to the East group of sanitary areas, in the latter being included 2 which belonged to Whitechapel. The Metropolitan Asylum Hospitals contained 70 cases of enteric fever, and one of typhus, on Saturday last; 9 cases of enteric fever were admitted during the week, against 8, 10, and 12 in the three previous weeks.

The deaths primarily attributed to *influenza*, which had been 24, 11, and 17 in the three preceding weeks, declined again last week to 13; 6, including 3 in Kensington, occurred in the West group of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had declined from 510 to 381 in the three previous weeks, further fell last week to 375, and were 106 below the corrected average.

Different forms of violence caused 61 deaths, concerning all but 2 of which inquests were held. Of these 61 deaths, 7 were cases of suicide, and 1 of execution, while the remaining 53 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 5 by burns or scalds, 2 by poison, 7 by drowning, and 16 (including 15 of infants aged under one year) by suffocation. The death of a child, aged 4 years, occurred in the West London Hospital, the cause of which was returned, after inquest, as "syncope" whilst under inhalation of chloroform."

#### GREATER LONDON.

In Greater London 3405 births and 1959 deaths were registered, corresponding to annual rates of 30·8 and 17·7 per 1000 of the estimated population. In the Outer Ring 13 deaths from whooping-cough, 11 from diphtheria, and 9 from measles were registered. The deaths from diphtheria included 3 in Leyton, 2 in Ilford, and 2 in Tottenham sub-districts. Two deaths from measles were recorded in Walthamstow, 2 in Tottenham, and 2 in Croydon sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·59 ins.; the lowest reading was 29·00 ins. on Monday evening, and the highest 29·91 ins. on Tuesday evening and again at the end of the week. The mean temperature of the *air* was 49°·0, and 6°·3 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average throughout the week, the greatest excess being 12°·5 on Friday. The general direction of the *wind* was South-Westerly, and the horizontal movement of the *air* averaged 13·7 miles per hour, which was 1·2 mile above the average in the corresponding weeks of 16 years. *Rain* fell on three days of the week, to the aggregate amount of 0·41 of an inch. The duration of registered bright sunshine in the week was 14·6 hours, against 16·7 hours at Glyde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 29th March, 1890.

CITIES AND BOROUGHES.	POPULATION estimated to the middle of the Year 1880.*	Registered during the Week ending 26th Mar., 1890.		The DEATHS registered in the Week include													TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGHES.			
		BIRTHS.	DEATHS.	Deaths from													Annual Rate per 1000, corresponding to the Week's Deaths					Mean.			In Inches.	In Cent.	
				Deaths in													From All Causes.	From Diseases of Cols. 6-12.	Highest.		Lowest.						
				Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unsanitary Causes of Death.	From All Causes.	From Diseases of Cols. 6-12.			Fahrenheit.	Centigrade.							
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.		
28 TOWNS	9,715,559	5852	3982	872	937	-	97	64	46	164	20	33	138	249	712	84	21.4	2.3	68.8	31.1	46.6	8.11	0.63	1.60	- 28 TOWNS.		
LONDON	4,421,661	2543	1671	366	360	-	45	10	30	101	8	13	61	117	377	12	18.5	2.4	68.8	36.1	49.0	9.44	0.41	1.04	LONDON.		
BRIGHTON	123,659	59	68	16	23	-	-	-	-	7	-	-	-	2	11	1	28.7	3.8	57.0	37.5	45.9	7.72	0.56	1.42	BRIGHTON.		
PORTSMOUTH	142,962	113	57	10	16	-	-	-	1	-	-	-	-	-	10	-	20.8	0.4	-	-	-	-	-	-	PORTSMOUTH.		
NORWICH	95,352	70	48	17	14	-	1	-	-	1	-	-	1	2	6	-	21.8	0.7	55.6	40.5	48.3	9.06	0.55	1.40	NORWICH.		
PLYMOUTH	78,780	52	33	6	8	-	-	-	-	1	-	-	-	4	7	14	13.1	1.1	59.5	36.0	47.0	8.33	0.48	1.22	PLYMOUTH.		
BRISTOL	232,248	122	85	12	29	-	-	1	-	2	-	-	-	-	-	-	19.4	1.9	59.1	31.1	44.8	7.11	0.48	1.22	BRISTOL.		
WOLVERHAMPTON	83,406	36	31	6	11	-	-	-	-	-	-	1	-	-	-	-	23.4	3.2	-	-	-	-	-	-	WOLVERHAMPTON.		
BIRMINGHAM	461,865	300	198	40	37	-	14	7	-	4	2	1	10	15	38	11	19.4	1.8	-	-	-	-	-	-	BIRMINGHAM.		
LEICESTER	154,344	122	67	17	21	-	-	-	-	-	1	-	2	6	7	3	22.6	0.3	-	-	-	-	-	-	LEICESTER.		
NOTTINGHAM	244,909	130	84	23	25	-	-	3	1	-	-	1	4	7	9	1	17.9	1.1	62.2	35.0	46.4	8.00	0.47	1.19	NOTTINGHAM.		
DERBY	100,871	47	42	3	13	-	4	1	-	-	-	-	-	-	6	1	21.7	2.6	-	-	-	-	-	-	DERBY.		
BIRKENHEAD	105,049	83	39	7	9	-	-	1	-	-	-	-	1	5	7	-	19.4	0.5	-	-	-	-	-	-	BIRKENHEAD.		
LIVERPOOL	613,463	345	262	68	44	-	19	5	-	16	-	3	13	15	44	16	22.3	3.7	-	-	-	-	-	-	LIVERPOOL.		
ROLTON	115,846	73	43	11	5	-	-	1	-	3	-	-	1	1	5	1	19.4	1.8	-	-	-	-	-	-	ROLTON.		
MANCHESTER	378,437	256	232	41	50	-	5	4	2	1	1	2	10	20	53	3	31.9	2.1	-	-	-	-	-	-	MANCHESTER.		
SALFORD	242,509	138	124	28	26	-	1	6	4	7	1	3	2	4	21	2	26.7	4.7	-	-	-	-	-	-	SALFORD.		
OLDHAM	146,716	96	60	12	12	-	-	2	-	4	-	1	1	1	3	1	21.3	2.1	-	-	-	-	-	-	OLDHAM.		
BLACKBURN	123,553	75	66	15	8	-	-	-	-	1	2	2	1	2	4	5	27.9	2.5	-	-	-	-	-	-	BLACKBURN.		
PRESTON	105,163	31	47	9	10	-	1	6	1	-	-	-	1	1	2	-	23.3	3.5	-	-	-	-	-	-	PRESTON.		
HUDDERSFIELD	94,253	39	37	5	14	-	-	-	-	-	-	-	1	1	3	1	20.5	0.0	-	-	-	-	-	-	HUDDERSFIELD.		
HALIFAX	82,034	45	37	8	10	-	-	-	-	1	1	2	-	-	-	1	23.5	2.5	-	-	-	-	-	-	HALIFAX.		
BRADFORD	240,515	138	115	16	29	-	4	-	-	-	1	1	4	5	15	3	24.9	1.3	53.2	39.2	46.5	8.06	0.86	2.18	BRADFORD.		
LEEDS	363,799	238	158	28	38	-	1	3	-	5	1	2	2	6	18	3	23.6	1.7	-	-	-	-	-	-	LEEDS.		
SHEFFIELD	332,837	226	187	38	54	-	1	12	2	1	-	1	3	15	13	29.3	2.5	-	-	-	-	-	-	-	SHEFFIELD.		
HULL	213,833	131	97	25	25	-	-	-	4	2	-	-	-	3	4	11	4	23.7	1.5	62.0	37.0	47.1	8.39	0.48	1.22	HULL.	
SUNDERLAND	136,706	169	57	8	17	-	1	1	-	2	1	-	2	8	2	2	21.8	1.1	62.0	40.0	46.6	8.11	0.91	2.31	SUNDERLAND.		
NEWCASTLE	162,987	115	90	19	20	-	-	-	1	1	-	-	8	13	15	-	28.8	0.6	56.0	39.0	44.8	7.11	1.05	2.67	NEWCASTLE.		
CARDIFF	117,012	70	47	18	9	-	-	1	-	2	-	-	2	3	6	-	20.9	1.3	-	-	-	-	-	-	CARDIFF.		
EDINBURGH	271,135	140	107	22	25	-	10	-	2	5	-	3	1	1	10	16	20.6	3.8	55.5	30.5	45.4	7.44	0.32	0.81	EDINBURGH.		
GLASGOW	530,308	377	235	63	32	-	16	2	3	15	1	5	13	9	49	23	28.0	4.1	56.0	31.7	45.9	7.72	0.30	0.76	GLASGOW.		
DUBLIN	353,062	201	175	32	47	-	3	-	-	5	1	1	4	2	41	32	25.9	1.6	56.6	36.2	46.8	8.22	1.63	4.14	DUBLIN.		

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2492	2608	2647	2714	2732	2404	2698	2786	2492	2808	2871.3	2543
Males . .	1279	1329	1330	1345	1386	1247	1359	1379	1288	1403	1455.2	1332
Females .	1213	1279	1317	1369	1346	1157	1339	1357	1204	1405	1416.1	1211
<b>TOTAL Deaths</b>	1732	1547	1655	2148	1573	1701	1745	1588	1668	1476	1835.6	1571
Males . .	909	880	782	1089	829	852	876	806	828	731	931.1	810
Females .	823	717	867	1059	744	849	869	782	840	745	904.5	761

\* The numbers in this column are the average weekly numbers in the thirteenth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.
<b>TOTAL Births</b>	2961	2818	2714	2510	2699	2707	2793	2702	2561	2536	2717	2534	2543
<b>TOTAL Deaths</b>	2371	2747	2720	2227	1849	1749	1809	1847	1802	1889	1771	1637	1571
<b>Ages at Death</b>													
{ 0-20 years	834	939	909	775	703	714	763	753	739	798	776	729	743
{ 20-40 "	346	367	450	349	332	238	218	256	234	226	196	193	204
{ 40-60 "	541	670	666	510	369	334	357	363	324	348	303	296	264
{ 60-80 "	552	640	576	503	390	363	390	374	418	428	404	342	309
{ 80 years & upwards	98	131	119	90	105	100	81	101	87	89	92	77	51
<b>"</b>													
{ Under 1 year	393	450	415	336	350	372	352	393	367	394	392	381	366
{ 1-5 "	810	375	344	294	250	254	306	259	263	294	271	270	304
{ 5-20 "	126	134	150	95	103	88	105	101	109	110	113	78	73
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	-	1	-	-	-	-	-
" Measles	36	24	24	21	11	8	21	14	19	35	35	45	45
" Scarlet fever	15	13	22	10	14	19	14	13	14	12	18	11	10
" Diphtheria	32	26	22	22	24	24	39	27	24	19	25	23	30
" Whooping-cough	98	112	104	82	67	91	115	103	97	95	86	76	101
" Typhus	-	-	-	1	-	-	-	-	-	-	-	-	-
" Enteric fever	12	11	14	10	9	2	12	8	7	4	3	7	7
" Simple Cont'd fever	-	1	1	-	-	-	1	1	1	1	1	-	1
" Diarrhoea and Dysentery	10	12	6	14	9	4	6	21	12	9	14	14	13
" Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-
" all the above-mentioned Diseases	208	199	193	160	134	148	208	188	174	175	182	176	207
" Dis. of Respiratory System	843	1069	1010	736	550	485	439	452	492	510	447	381	375
" Phthisis	247	267	312	239	220	209	215	218	224	206	164	169	154
" Dis. of Circulatory System	222	275	209	193	116	154	143	162	146	163	145	148	120
<b>Violent Deaths</b>	91	55	65	60	62	58	56	77	52	65	76	49	61
<b>Inquest Cases</b>	195	192	171	142	127	125	137	143	134	120	162	115	117
<b>Deaths in Public Institutions</b>	494	534	626	491	471	401	436	434	425	406	390	406	377
<b>TEMPERATURE OF THE AIR</b>													
Mean	32.8	47.6	45.5	42.7	42.9	37.1	35.9	39.4	35.4	36.4	45.3	43.3	49.0
Mean of Highest readings	36.7	52.4	50.6	48.4	45.3	42.7	41.7	43.9	42.0	43.6	54.0	52.0	57.3
Mean of Lowest readings	28.5	43.0	39.4	36.9	38.2	32.0	30.8	35.9	30.4	29.0	37.6	36.0	42.6
<b>Humidity of the Air</b>	97	89	86	84	90	89	87	89	87	69	79	82	84
<b>Rain-fall in inches</b>	0.11	0.40	0.13	0.77	0.73	0.05	0.88	0.04	0.22	0.33	0.24	0.31	0.41
<b>Registered Sunshine (in hours)</b>	5.0	10.1	7.3	14.9	8.9	9.5	31.2	12.4	9.7	12.1	23.1	21.5	14.6

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLaidsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTEENTH Week of the Year 1890.

CAUSES OF DEATH.		Corrected Averages for the 13th Week ending 1889-90.		In the Week ending Saturday, 29th March 1890.																
		Deaths of Persons of the Ages										ALL AGES.								
		Under 20.			20 and under 40.		40 and under 60.		60 and upwards.											
		ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and upwards.	ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and upwards.					
ALL CAUSES		1835-6	1571	366	304	73	204	264	399	51										
Small-pox	Vaccinated + Unvaccinated - No Statement	12-1	-	-	-	-	-	-	-	-										
Measles	-	52-3	45	5	39	1	-	-	-	-										
Scarlet Fever	-	24-8	10	1	8	1	-	-	-	-										
Cyphus	-	1-0	-	-	-	-	-	-	-	-										
Relapsing Fever +	-	0-0	-	-	-	-	-	-	-	-										
Influenza	-	0-0	13	-	-	-	4	8	1	-										
Whooping-cough	-	90-7	101	44	35	2	-	-	-	-										
Diphtheria	-	15-8	30	3	17	9	1	-	-	-										
Simple Continued and Ill-defined Fever	-	1-5	1	-	-	1	-	-	-	-										
Enteric Fever	-	14-0	7	-	3	1	1	2	-	-										
Cholera	-	0-1	-	-	-	-	-	-	-	-										
Diarrhoea, Dysentery	-	12-0	13	0	1	-	-	2	-	1										
Remittent Fever	-	0-1	1	-	1	-	-	-	-	-										
Hydrophobia	-	0-2	-	-	-	-	-	-	-	-										
Randlers	-	0-0	-	-	-	-	-	-	-	-										
Scorpions and Effects of Vaccination +	-	0-0	-	-	-	-	-	-	-	-										
Venereal Affections	-	12-0	9	4	1	-	3	1	-	-										
Erysipelas	-	5-9	2	1	-	-	-	-	1	-										
Gymasia and Septicemia	-	2-7	2	-	-	-	-	2	-	-										
Febrile Fever	-	6-8	4	-	-	1	2	1	-	-										
Other Zymotic Diseases +	-	1-2	-	-	-	-	-	-	-	-										
Thrush	-	1-5	2	2	-	-	-	-	-	-										
Worms and other Parasitical Diseases	-	0-3	-	-	-	-	-	-	-	-										
Starvation, Want of Breast-milk +	-	1-5	2	2	-	-	-	-	-	-										
Alcoholism	-	6-3	5	-	-	-	1	2	2	-										
Rheumatic Fever, Rheumatism of Heart +	-	9-5	10	-	-	3	6	1	-	-										
Rheumatism +	-	3-2	1	-	-	-	1	-	-	-										
Gout	-	3-9	5	-	-	-	1	2	2	-										
Rickets +	-	4-8	4	1	3	-	-	-	-	-										
Cancer	-	55-3	52	-	-	1	3	21	23	1										
Tubercular Meningitis	-	24-5	20	10	8	1	1	-	-	-										
Phthisis	-	29-2	30	13	14	3	-	-	-	-										
Scrofula, Tuberculosis	-	185-8	154	-	3	13	73	47	11	-										
Other Constitutional Diseases +	-	11-3	14	-	-	-	1	7	6	-										
Premature Birth	-	39-0	36	26	-	-	-	-	-	-										
Atelectasis +	-	2-3	1	1	-	-	-	-	-	-										
Congenital Malformations	-	8-6	6	4	-	1	1	-	-	-										
Old Age	-	63-1	38	-	-	-	-	-	13	20										
Apoplexy	-	49-9	37	1	-	-	1	9	24	2										
Epilepsy	-	7-1	6	-	-	-	2	4	-	-										
Convulsions	-	51-3	50	43	4	-	-	-	-	-										
Other Diseases of Brain and Nervous System	-	90-6	84	7	19	9	10	9	25	5										
CAUSE OF DEATH.		Corrected Averages for the 13th Week ending 1889-90.		In the Week ending Saturday, 29th March 1890.																
				Deaths of Persons of the Ages																
				Under 20.			20 and under 40.		40 and under 60.		60 and upwards.									
		ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and upwards.	ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and upwards.					
Diseases of Organs of Special Sense +		2-1	-	-	-	-	-	-	-	-	-	-	-	-	-					
Diseases of Circulatory System		131-0	120	-	2	5	19	32	55	7										
Croup		14-1	10	1	3	6	-	-	-	-										
Bronchitis		39-2	231	60	63	1	7	29	72	9										
Pneumonia		118-6	105	24	33	4	13	17	10	3										
Pleurisy		8-0	1	-	-	-	1	-	-	-										
Other Diseases of Respiratory System		40-8	27	2	7	-	2	8	8	-										
Dentition +		16-9	19	13	6	-	-	-	-	-										
Quincy, Sore Throat +		2-8	13	1	2	-	5	1	4	-										
Enteritis		6-0	5	1	-	-	2	1	1	-										
Peritonitis		6-9	5	1	-	-	2	1	1	-										
Diseases of Liver		23-9	23	1	1	1	3	15	5	-										
Other Diseases of Digestive System		23-3	27	7	2	1	1	7	9	-										
Diseases of Lymphatic System & of Ductless Glands +		1-6	2	-	-	1	1	-	-	-										
Diseases of Urinary System		47-1	46	-	1	2	10	13	13	2										
Diseases of Generative System		4-9	2	-	-	-	-	1	1	-										
Accidents of Childbirth		4-9	3	-	-	-	3	-	-	-										
Diseases of Locomotive System +		9-1	8	1	-	1	1	1	4	-										
Diseases of Integumentary System		6-1	5	1	-	-	-	1	3	-										
VIOLENT DEATHS.																				
(ACCIDENT.)																				
Fracture and Contusion		20-5	18	1	1	1	6	8	-	1										
Gunshot Wound		0-1	-	-	-	-	-	-	-	-										
Cut, Stab		0-7	-	-	-	-	-	-	-	-										
Burn and Scald		7-4	5	-	1	-	-	4	-	-										
Poison		1-9	2	-	-	-	-	1	1	-										
Drowning		4-9	16	13	1	-	-	-	-	-										
Suffocation		17-9	7	-	-	-	-	-	-	-										
Otherwise		2-2	5	4	-	-	1	-	-	-										
(HOMICIDE.)																				
Murder & Manslaughter		2-4	-	-	-	-	-	-	-	-										
(SUICIDE.)																				
Gunshot Wound		1-1	-	-	-	-	-	-	-	-										
Cut, Stab		1-1	-	-	-	-	-	-	-	-										
Poison		1-7	-	-	-	-	1	-	-	-										
Drowning		0-7	1	-	-	-	-	-	-	-										
Hanging		1-7	4	-	-	-	3	1	-	-										
Otherwise		0-4	1	-	-	-	-	1	-	-										
(EXECUTION.)																				
Hanging		0-0	1	-	-	-	-	-	-	1										
OTHER CAUSES +		56-4	46	39	3	-	-	2	2	-										

\* The numbers in this column are the average weekly deaths for the ten years 1880-89, raised by 2.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

As the ten years average could not be correctly ascertained, the average for the eight years 1832-39 has been used.

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The Deaths registered in the Week include																					
REGISTRATION SUB-DISTRICTS.		Enu- me- rated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from															Deaths in Public Institutions.	Unofficial Causes.
					Infants under 1 Year of Age.	Persons aged 10 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhoid.	Enteric (Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.				
LONDON		3,815,704	2543	1571	366	360	-	45	10	30	101	-	7	1	13	61	117	377			
West Districts		669,693	410	274	61	66	-	2	3	2	20	-	1	-	6	13	23	89	1		
North Districts		905,947	564	376	87	83	-	8	3	8	18	-	3	-	2	18	30	81	1		
Central Districts		282,238	153	138	32	23	-	6	-	6	8	-	-	-	-	4	6	43	-		
East Districts		692,738	450	294	62	76	-	7	-	5	21	-	3	-	1	7	29	85	2		
South Districts		1,265,148	966	491	124	112	-	22	4	9	34	-	-	1	2	13	29	83	8		
Metropolitan Asylums Hos- pitals Outside Registration London		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WEST DISTRICTS.																					
St. Mary Paddington WHH G.J. & W.M.		69898	48	30	6	5	-	-	-	-	3	-	-	-	-	-	-	2	-		
St. John Paddington H - - G.J.		37330	13	11	1	5	-	-	-	-	-	-	-	-	-	3	4	7	-		
Kensington Town W - - W.M.		120141	70	57	13	17	-	-	-	-	5	-	1	-	-	1	4	18	-		
Brompton H - - W.M. & C.		43010	13	12	-	2	-	1	-	-	-	-	-	-	-	1	3	-	-		
St. Peter Hammersmith - - W.M.		7599	1	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.		64340	66	21	7	2	-	-	-	-	3	-	-	-	-	3	5	1	-		
Fulham W - - W.M. & C.		42900	76	36	15	9	-	3	-	-	3	-	-	-	4	1	1	13	1		
Chelsea South HHH - - D.		30396	17	6	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-		
Chelsea North-west WHHHH C.		24925	12	19	2	5	-	-	-	1	-	-	-	-	1	-	2	9	-		
Chelsea North-east C.		32807	16	3	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-		
May Fair WW - - G.J.		30353	3	7	-	7	-	-	-	-	-	-	-	-	-	-	-	7	-		
Belgrave WHHH - - C.		59220	28	30	5	3	-	-	-	-	-	-	-	-	-	6	4	11	-		
St. John Westminster HHH - C.		35496	18	12	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-		
St. Margaret Westminster H - C.		24679	9	14	6	1	-	-	-	-	4	-	-	-	1	1	2	7	-		
St. James Westminster WHH N.R. & G.J.		29941	16	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Anne Soho HHHHHH - N.R.		16668	4	5	1	1	-	-	-	-	1	-	-	-	-	-	-	1	-		
NORTH DISTRICTS.																					
All Souls Marylebone HHHHH W.M.		26759	12	10	1	4	-	-	-	-	-	-	-	-	1	-	-	6	-		
Cavendish Square HHHH - W.M.		14391	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-		
Rectory Marylebone WH G.J. & W.M.		24909	8	4	2	1	-	-	-	-	-	-	-	-	-	-	-	6	-		
St. Mary Marylebone HHH G.J. & W.M.		21116	26	6	1	1	-	-	-	-	-	-	-	-	-	1	1	1	-		
Christchurch Marylebone HH - W.M.		33700	18	11	1	1	-	1	-	-	1	-	-	-	-	-	-	-	-		
St. John Marylebone H - W.M.		33633	17	18	3	6	-	-	-	-	1	-	-	-	-	1	1	1	-		
Hampstead WWHHHH N.R. & W.M.		45452	29	19	5	7	-	-	-	1	1	-	-	-	1	2	2	6	1		
Regent's Park Pancras H - W.M.		39115	14	12	2	5	-	-	-	-	-	-	-	-	-	-	1	-	-		
Tottenham-court WHHHH N.R. & W.M.		27729	17	22	3	5	-	-	-	-	-	-	-	-	-	-	-	14	-		
Gray's Inn Lane HHH - N.R.		30247	13	8	-	1	-	1	-	-	-	-	-	-	-	1	1	1	-		
Somers Town H - N.R.		34369	20	11	2	3	-	-	-	2	-	-	-	-	-	-	-	-	-		
Camden Town WH - N.R.		17811	7	9	4	1	-	-	-	1	-	-	-	-	-	-	-	6	-		
Kentish Town W - N.R.		87487	54	34	12	8	-	-	-	2	1	-	1	-	-	1	1	4	-		
Upper Holloway WWH - N.R.		67946	60	42	4	13	-	-	-	-	1	-	-	-	-	2	5	23	-		
Islington South-west HH - N.R.		109776	39	28	9	4	-	1	-	-	2	-	-	-	-	1	1	-	-		
Islington South-east - N.R.		61825	42	24	7	4	-	-	-	-	1	-	-	-	-	2	2	-	-		
Highbury H - N.R.		52048	31	18	3	2	-	4	-	-	-	-	-	-	-	2	2	-	-		
Stoke Newington H - N.R.		22781	10	9	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Stamford Hill - E.L.		9277	8	5	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-		
West Hackney H - N.R.		37610	19	19	6	5	-	1	-	-	-	-	-	-	-	-	-	1	2		
Hackney WWHH - E.L. & N.R.		76911	61	45	9	6	-	-	8	3	4	-	1	-	-	3	6	14	-		
South Hackney - E.L.		39883	30	19	9	1	-	-	-	-	4	-	-	-	-	2	6	-	-		
CENTRAL DISTRICTS.																					
St. George Bloomsbury - N.R.		16681	10	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - N.R.		14984	20	6	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-		
St. Giles North - N.R.		13837	4	5	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-		
St. Martin-in-the-Fields HH N.R. & C.		17508	8	5	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-		
St. Mary-le-Strand H - N.R.		7515	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Danes H - N.R.		8559	2	4	1	-	-	-	-	-	-	-	-	-	-	-	-	4	-		
Strand Union Workhouse, Edmonton w.		-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-		
St. Geo.-the-Martyr HHHHHH N.R.		18671	7	18	7	1	-	1	-	1	1	-	-	-	-	-	1	8	-		
St. Andrew Eastern W - N.R.		10706	6	7	2	1	-	-	-	3	-	-	-	-	-	-	-	-	-		
Saffron Hill H - N.R.		6533	1	2	1	1	-	1	-	-	-	-	-	-	1	-	-	-	-		
St. James Clerkenwell - N.R.		17516	12	7	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell - N.R.		19281	10	7	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-		
Pentonville - N.R.		14773	14	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Goswell-street - N.R.		17506	10	5	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
Old-street H - N.R.		11541	9	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HHL - N.R.		18623	24	7	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
Whitecross-street - N.R.		9217	4	8	2	1	-	1	-	-	2	-	-	-	-	-	-	-	-		
Finsbury - N.R.		7463	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham w.		-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-		
St. Botolph H - N.R. & E.L.		11174	6	5	1	1	-	-	-	-	1	-	-	-	-	-	-	1	-		
Cripplegate - N.R.		7193	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - N.R.		3358	-	23	1	3	-	-	2	-	-	-	-	-	-	3	3	19	-		
St. Bride W - N.R.		3396	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Albhallows Barking - N.R.		13666	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - N.R.		5652	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—C. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

Ham	H	-	-	-	-	K.
H	-	-	-	-	-	K.
Wisham	WH	-	-	-	-	K.
Enham	H	-	-	-	-	L.
Elton	HH	-	-	-	-	K.
Olwich Dockyard	-	-	-	-	-	K.
Olwich Arsenal	HH	-	-	-	-	K.
instead, West	H	-	-	-	-	K.
instead, East	W	-	-	-	-	K.
<b>Metropolitan Asylum Hospitals:</b>						
Dartford	w	-	-	-	-	-
Winchmore Hill	w	-	-	-	-	-

following Workhouse Establishments are indicated in the above Table by w (see note at foot of preceding page) :-

Farnley-bone Infirmary in Kensington Town sub-district.	Stepney Workhouse in Bromley sub-district.
Central London Sick Asylum in Tottenham Court-road sub-district.	Poplar & Stepney Sick Asylum.
Holborn Infirmary in Upper Holloway sub-district.	Westminster Union Industrial School in West Hattersea sub-district.
City Workhouse " Hackney sub-district.	St. Saviour's Infirmary in Camberwell sub-district.
Gloucester " " Hoxton New Town sub-district.	Metropolitan Asylum District Hospitals in Hampstead, Hauxton, and St. Paul's sub-districts, and in Dartford
Whitechapel " " Mile End Old Town Eastern sub-dist.	and Edmonton sub-districts outside Registration London.
London City " " and Bromley sub-district.	

Straud and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION: BIRTHS AND DEATHS registered during the Week ending Saturday, 29th March, 1890.

The DEATHS registered in the Week include																		
Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, in- clud- ing Tidal Water and Fore- shore.	Enu- mer- ated Popu- lation, 1881.	BIRTHS.	DEATHS.	Deaths of												
						Deaths under 1 Year of Age.		Deaths from										
						Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON—OUTER RING		370,924	950,957	862	388	82	121	-	9	2	11	13	4	1	12	23	54	
30:1	Carshalton <i>wL</i>	12228	21118	19	6	-	2	-	-	-	1	-	-	-	-	-	2	
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	12	2	-	2	-	-	-	-	-	-	-	-	-	1	
37:1	Godstone ( <i>part of</i> ) * -	2754	1235	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>WwH L</i>	20851	101241	63	42	7	18	-	2	-	1	-	-	-	1	1	15	
2	Mitcham <i>w</i> †	11697	17932	10	3	-	1	-	-	-	-	-	-	-	-	-	1	
39:1	Wimbledon <i>HHH</i>	3220	15950	10	7	-	3	-	-	-	-	-	-	-	-	1	-	
2	Kingston <i>WHH</i>	8549	36354	26	14	-	9	-	-	-	-	-	-	-	-	-	2	
3	Esher ( <i>part of</i> ) * -	6801	9221	4	2	-	-	-	-	-	-	-	1	-	-	-	-	
4	Hampton <i>H</i>	4573	13539	6	3	-	1	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i>	2272	21302	7	12	2	6	-	-	-	-	-	-	-	1	1	3	
2	Mortlake	2941	12331	10	4	-	-	-	-	-	-	-	-	-	1	1	-	
41:1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15669	31142	34	11	4	4	-	1	-	-	-	-	-	-	-	-	
2	Chislehurst( <i>pt.of</i> ) * <i>WHH</i>	14307	15844	22	9	4	1	-	1	-	-	2	-	-	-	-	1	
42:1	Bexley <i>H</i>	18437	24134	19	9	2	5	-	-	-	-	-	-	-	1	2	-	
2	Dartford ( <i>Ww, pt. of</i> ) *‡	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>w</i>	11055	11633	8	1	-	1	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i>	13277	12089	6	2	-	1	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon <i>WHH</i>	6029	10802	8	2	1	-	-	-	-	-	-	-	-	-	-	1	
2	Uxbridge	6178	3225	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i>	14587	11523	13	4	2	2	-	-	-	-	-	-	-	-	1	1	
126:1	Isleworth <i>WHH</i>	7003	22727	15	7	1	5	-	-	-	-	-	-	-	-	2	-	
2	Twickenham <i>H</i>	2477	12479	4	2	1	-	-	-	1	-	-	-	-	-	-	-	
3	Brentford <i>HL</i>	4345	27649	30	9	3	3	-	-	-	-	-	1	-	-	-	1	
4	Chiswick	1340	15975	16	6	2	1	-	-	-	-	-	-	-	-	1	-	
5	Acton <i>wH</i>	6938	22376	20	7	2	2	-	-	-	1	1	-	-	-	1	-	
127:1	Harrow <i>H</i>	13809	12796	11	2	-	2	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i>	6994	3749	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden	4338	27453	43	14	7	1	-	-	-	-	2	-	-	-	2	-	
4	Hendon <i>W</i>	5332	10434	7	6	2	1	-	-	-	-	1	-	-	-	-	4	
137:1	Bushey	9331	6821	3	4	-	2	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms	15199	6391	3	1	-	1	-	-	-	-	-	-	-	-	-	-	
2	Barnet	5133	10093	6	6	1	3	-	-	-	-	-	-	-	-	-	4	
3	Finchley <i>HL</i>	4633	17615	11	15	-	5	-	-	-	-	-	-	-	2	2	7	
135:1	Hatfield ( <i>part of</i> ) *	3306	533	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i>	3039	37078	26	13	3	6	-	-	-	-	-	-	1	-	-	-	
2	Tottenham <i>H</i>	4642	46456	60	21	6	5	-	2	-	2	-	-	-	-	-	2	
3	Edmonton <i>Ww</i>	7453	23463	12	11	2	4	-	-	-	-	-	-	-	2	2	3	
4	Enfield <i>WH</i>	12653	19104	23	5	1	1	-	1	-	-	-	-	-	-	-	-	
5	Waltham Abbey	11017	5363	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt	3490	7735	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
136:1	Stratford	332	33606	32	14	4	5	-	-	-	-	2	1	-	-	-	-	
2	West Ham <i>wvH</i>	4055	90347	110	40	12	7	-	-	1	-	2	-	-	3	4	-	
3	East Ham <i>wv</i>	3296	10706	23	2	2	-	-	-	-	-	-	-	-	-	-	-	
4	Leyton <i>WwL</i>	4372	32430	54	25	-	9	-	-	-	3	-	-	-	-	-	5	
5	Walthamstow <i>H</i>	6520	23869	45	22	5	4	-	2	-	1	2	-	-	1	2	-	
137:1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9639	3	3	1	-	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W, pt. of</i> ) *	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	
139:1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford	8493	7645	9	4	-	-	-	-	-	-	-	-	-	-	-	-	
3	Barking Town	4127	9203	19	9	5	2	-	-	-	-	1	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cudham & Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Wincemore Hill (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 29th March, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include													Deaths in Public institutions
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.				
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.			
GREATER LONDON	448,334	5,758,500	17·7	2·2	1959	448	481	-	54	12	41	114	12	14	73	431			
INNER LONDON -	77,410	4,421,661	18·5	2·4	1871	366	360	-	45	10	30	101	8	13	61	377			
OUTER RING -	370,924	1,336,839	15·1	1·6	388	82	121	-	9	2	11	13	4	1	12	54			

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,220,308 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN.	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrheal Diseases.	
CALCUTTA -	433,219	February 15	-	319	38·4	33	1	-	1	-	70	102†	
BOMBAY -	773,196	March 4	323	512	28·7	4	9	-	-	-	192	30†	
MADRAS -	398,777	January 31	283	291	37·9	3	12	-	-	-	79	28†	
		February 7	263	296	38·5	4	13	-	-	-	75	48†	
PARIS -	2,260,945	March 22	1273	1106	25·4	-	35	6	48*	15	9	49	
		22	258	172	18·4	-	1	-	1	4	3	12	
BRUSSELS -	477,288	" 15	286	178	22·8	-	1	-	5	2	-	-	
(with 8 Faubourgs.)		22	263	164	21·0	-	2	1	3	4	1	-	
AMSTERDAM -	406,302	" 15	156	96	24·5	-	-	-	-	4	-	1	
ROTTERDAM -	203,486	" 22	169	100	25·5	-	-	-	-	2	-	1	
THE HAGUE -	156,497	" 15	108	59	19·6	-	-	-	-	-	-	-	
		22	116	56	18·6	-	-	-	-	1	-	-	
COPENHAGEN -	307,000	" 22	220	161	27·3	-	-	3	9	5	2	4	
STOCKHOLM -	228,218	" 22	148	103	23·5	-	-	8	-	7	-	4	
CHRISTIANIA -	138,300	" 22	39	86	32·3	-	3	1	6	2	1	3	
S. PETERSBURG -	924,106	" 8	-	531	30·0	-	21	21	8	1	9	38	
BERLIN -	1,526,887	" 8	939	685	23·3	-	5	5	26	14	4	33	
HAMBURG (State) -	575,276	" 15	455	274	24·8	-	-	-	7*	5	3	11	
DRESDEN -	269,250	" 22	167	105	20·3	-	-	-	4*	-	1	3	
BRISLAU -	324,143	" 22	209	171	23·0	-	-	3	11*	2	-	11	
MUNICH -	298,000	" 15	241	188	32·8	-	8	1	8*	-	3	16	
VIENNA -	822,176	" 15	574	523	33·1	2	12	1	9	1	-	20	
PRAGUE -	314,425	" 15	-	149	24·7	-	-	3	7	1	1	1	
BUDA-PESTH -	463,017	" 15	365	309	34·7	-	5	-	13	2	2	31	
TRIESTE -	160,092	" 22	96	105	34·1	-	-	-	5*	1	-	2	
ROME -	415,498	January 18	300	306	38·4	-	3	-	9	-	12†	8	
		25	269	332	41·7	-	3	-	3	1	6†	4	
TURIN (8 days) -	314,827	February 28	179	178	25·8	1	2	-	3	1	5	9	
VENICE -	156,515	March 15	66	113	37·6	13	-	-	3*	-	-	8	
CAIRO -	374,838	" 6	408	356	40·5	-	-	-	1	3	23	86	
ALEXANDRIA -	231,396	" 0	222	173	39·0	2	-	-	2	-	9	35	
NEW YORK -	1,595,547	" 8	-	696	22·7	-	11	9	32	11	3	9	
BROOKLYN -	852,467	" 8	-	332	20·3	-	1	1	24	4	1	2	
PHILADELPHIA -	1,064,277	" 8	-	411	20·1	-	7	-	14	1	15	4	
BALTIMORE -	500,343	" 8	-	195	20·3	-	16	1	6	2	2	3	
NEW ORLEANS -	254,000	" 1	-	149	30·6	-	-	-	2	-	3	8	

\* Including deaths from croup.

† Including 62 deaths from cholera in Calcutta, 2 in Bombay, and 1 and 2 respectively in Madras.

‡ Including 5 and 4 deaths respectively from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, MARCH 29TH, 1890.

[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a cistern whose receiving surface is 500 sq. ft. above the ground.							
MONTH AND DAY.	Phases of the Moon.	Baro- metric. Mean reading (cor- rected to 32° Fahr- enheit).	Of the Air.				Of the Air Temperature and Dew Point Temperature.	Degree of radiation midday (Satu- ration 100°).	Of Radiation.		Of the Water of the Thames at Deptford.		Oler's.		Pressure on the Square Foot.		Robinson's.								
			High- est.	Low- est.	Daily Range.	Mean daily value.			De- parture from Average of 20 years.	High- est. Sun. rays.	Low- est. Sun. rays.	High- est.	Low- est.	General Direction.	A.M.	P.M.	Great- est.	Least.	Mean of 24 Days.	Horizontal Movement of the Air on each Day.	Depar- ture from Average of 10 years.				
MARCH.		in.																		Miles.	Miles.				
SUN. . 23	..	29.465	52.3	42.3	10.0	46.6	+ 4.8	41.7	4.9	8.4	2.9	88	91.4	37.8	45.1	43.9	4.3	0.0	0.6	415	+ 111				
MON. . 24	..	29.204	49.2	36.1	13.1	42.8	+ 0.8	40.1	2.7	6.9	0.0	90	85.2	30.7	45.5	44.2	2.5	0.0	0.4	319	+ 17				
TUES. . 25	..	29.232	57.1	41.7	15.4	47.1	+ 4.3	41.2	5.9	14.6	0.0	80	110.9	33.2	45.6	44.4	2.4	0.0	0.3	331	+ 30				
WED. . 26	..	29.697	60.9	40.3	20.6	50.1	+ 7.5	41.7	8.4	18.1	0.7	73	110.6	34.0	46.2	44.7	3.5	0.0	0.6	420	+ 120				
THURS. . 27	First Qr.	29.889	55.7	43.3	7.4	51.5	+ 8.5	48.9	2.6	6.5	0.0	91	77.9	44.8	47.1	45.8	2.4	0.0	0.3	385	+ 85				
FRI. . 28	Great- est. Dec. N.	29.848	63.8	43.0	20.8	55.9	+ 12.5	50.7	5.2	15.7	0.0	83	128.8	37.0	48.1	46.4	0.1	0.0	0.0	199	- 100				
SAT. . 29	Apogee.	29.806	57.3	41.7	15.5	48.9	+ 5.1	44.9	4.0	8.8	0.0	86	96.0	31.5	49.0	47.4	1.4	0.0	0.0	240	- 59				
MEANS .	..	29.592	57.3	42.6	14.7	49.0	+ 6.3	44.2	4.8	11.3	0.5	84	100.1	35.6	46.7	45.3	..	..	..	Sum 2309	Sum + 204				
No. of Col. .	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	72

The height of the cistern of the barometer is 159 feet above the mean level of the sea; the correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hydro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that "higher," and "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface; at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. very.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day or from midnight to midnight.

The reading of the barometer decreased from 29.61 in. at the beginning of the week to 29.00 in. by 9h. P.M. on the 24th; increased to 29.91 in. by 9h. P.M. on the 29th; decreased to 29.74 in.

## GENERAL REMARKS.

Generally cloudy; frequent rain.

Fine with solar halo in morning; cloudy afterwards, with frequent rain till evening.

Fine in early morning; cloudy afterwards; frequent rain from afternoon.

Cloudless in early morning; partially cloudy and fine till evening; overcast at night.

Overcast.

Overcast in morning; afterwards very fine, with little light cloud. Solar halo. A very warm day.

Cloudless in morning; generally cloudy till evening; cloudless at night.

Sum 14.6

Sum 87.5

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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*General Register Office, Somerset House,  
8th April, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·3 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.		Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.
Birkenhead	14·4	18·4	19·4	12·9	Liverpool -	26·0	23·2	22·3	24·1
Birmingham	23·8	21·0	22·4	20·9	London -	20·9	19·3	18·5	16·7
Blackburn -	35·9	28·3	27·9	24·1	Manchester -	35·9	30·5	31·9	28·6
Bolton -	37·8	26·6	19·4	23·9	Newcastle-on-Tyne -	29·4	24·3	28·8	27·8
Bradford -	24·1	24·1	24·9	20·6	Norwich -	24·1	16·4	26·2	19·7
Brighton -	20·7	17·7	28·7	16·4	Nottingham -	19·4	19·6	17·9	14·1
Bristol -	26·0	24·2	19·1	18·0	Oldham -	19·2	27·4	21·3	22·7
Cardiff -	20·9	23·6	20·9	22·7	Plymouth -	27·1	21·2	21·8	27·1
Derby -	24·8	17·1	21·7	20·2	Portsmouth -	21·2	25·9	20·8	16·8
Halifax -	29·9	26·1	23·5	19·1	Preston -	27·8	25·8	23·3	22·3
Huddersfield	20·5	24·3	20·5	10·5	Salford -	22·4	22·8	26·7	18·1
Hull -	22·2	25·1	23·7	19·3	Sheffield -	33·4	28·0	29·3	23·3
Leeds -	27·4	26·2	22·6	24·2	Sunderland	26·4	18·3	21·8	24·4
Leicester -	20·3	14·5	22·6	15·5	Wolverhampton -	21·9	28·8	19·4	25·0

The highest annual death-rates, measured by last week's mortality, were:—from *whooping-cough*, 1·0 in Derby and in Newcastle-upon-Tyne, 1·2 in Liverpool, and 1·3 in Bristol and in Salford; from *measles*, 1·6 in Liverpool, 3·2 in Plymouth, and 4·7 in Derby; and from "*fever*," 1·1 in Sunderland. The death-rate from *scarlet fever* did not reach 1·0 per 1000 in any of the twenty-eight towns. The 37 deaths from *diphtheria* included 20 in London, 5 in Salford, 2 in Manchester, and 2 in Sheffield. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2329 BIRTHS and 1419 DEATHS were registered. Allowing for increase of population, the births were 576, and the deaths 362, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the four preceding weeks from 22·3 to 18·5, further fell last week to 16·7. During the thirteen weeks of last quarter the death-rate averaged 23·6 per 1000, exceeding the mean rate in the corresponding periods of the ten years 1880–89 by 1·0 per 1000.

The 1419 deaths included 35 from measles, 8 from scarlet fever, 20 from diphtheria, 84 from whooping-cough, 2 from enteric fever, 1 from an ill-defined

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881: nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



form of continued fever, 10 from diarrhoea and dysentery, and not one from small-pox, typhus, or cholera; thus, 160 deaths were referred to these diseases, being 64 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 16; 4 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 45 in each of the two preceding weeks, fell last week to 35, and were 22 below the corrected average; 4 belonged to Fulham, 4 to Islington, 4 to Shoreditch, and 5 to Battersea sanitary areas. The fatal cases of *scarlet fever*, which had declined in the three previous weeks from 18 to 10, further fell last week to 8, being 12 below the corrected average; 2 belonged to Fulham and 2 to Islington sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1087 scarlet fever patients at the end of the week, the numbers in the thirteen preceding weeks having declined from 1609 to 1083; 86 cases were admitted to these hospitals during the week, against 87 and 91 in the two preceding weeks. The deaths from *diphtheria*, which had been 23 and 30 in the two previous weeks, declined last week to 20, exceeding, however, the corrected average by 2; 2 belonged to Islington, 2 to Shoreditch, 4 to Bethnal Green, and 2 (admitted to hospital from one house in Cowley Street) to St. George-in-the-East sanitary areas. The 84 deaths from *whooping-cough* showed a decline of 17 from the high number in the preceding week, but were 2 above the corrected average; 5 belonged to Kensington, 9 to Islington, 5 to Hackney, 8 to Bethnal Green, 5 to Mile End Old Town, and 5 to Wandsworth sanitary areas. The deaths attributed to *diarrhoea* and *dysentery*, which had numbered 14 and 13 in the two previous weeks, further declined last week to 10, and were 4 below the corrected average.

The deaths referred to *enteric fever*, which had been 7 in each of the two preceding weeks, declined last week to 2, being 10 below the corrected average; both deaths belonged to the East group of sanitary areas. The Metropolitan Asylum Hospitals contained 72 cases of enteric fever, and one of typhus, on Saturday last; 4 cases of enteric fever were admitted during the week, against 12 and 9 in the two previous weeks.

The deaths primarily attributed to *influenza* numbered 10 last week, having been 11, 17, and 13 in the three previous weeks; 6 occurred in the South and 3 in the North groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had declined from 510 to 375 in the four preceding weeks, further fell to 296 last week, being 147 below the corrected average.

Different forms of violence caused 36 deaths, concerning all but one of which inquests were held. Of these 36 deaths, 5 were cases of suicide, while the remaining 31 were attributed to accident or negligence. Of these, 2 were caused by horses or vehicles in the streets, 3 by burns or scalds, 5 by drowning, and 9 (of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3035 births and 1852 deaths were registered, corresponding to annual rates of 27·5 and 16·8 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 11 from measles, 9 from diphtheria, and 6 from diarrhoea were registered. The deaths from whooping-cough included 5 in West Ham, 2 in East Ham, 3 in Walthamstow, and 4 in Edmonton sub-districts. Six deaths from measles, and 2 from scarlet fever, were recorded in Croydon, and 2 from diphtheria in Willesden sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·98 ins.; the highest reading was 30·19 ins. on Tuesday morning, and the lowest 29·83 ins. at the end of the week. The mean temperature of the *air* was 43°·8, and 1°·8 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on every day except Sunday, the greatest deficiency being 6°·1 on Wednesday. The general direction of the *wind* was North-Easterly, and the horizontal movement of the air averaged 8·9 miles per hour, which was 3·4 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine was 59·8 hours, against 69·1 hours at Glynde Place, Lewes.





TABLE 2. LONDON.—Births and Deaths Registered in the FOURTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2956	2612	2458	2928	2711	2473	2700	2538	2588	2676	2905·0	2329
Males . .	1538	1318	1217	1490	1377	1223	1378	1310	1305	1408	1478·6	1204
Females . .	1423	1294	1241	1438	1334	1250	1322	1228	1283	1268	1426·4	1125
<b>TOTAL Deaths</b>	1532	1532	1596	1940	1689	1859	1578	1437	1593	1572	1780·5	1419
Males . .	802	792	828	1008	845	971	780	752	841	807	918·8	720
Females . .	730	740	768	932	844	888	798	685	752	765	861·7	699

\* The numbers in this column are the average weekly numbers in the fourteenth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Jan. 11.	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.
<b>TOTAL Births</b>	2818	2714	2510	2699	2707	2793	2702	2561	2536	2717	2534	2543	2329
<b>TOTAL Deaths</b>	2747	2720	2227	1849	1749	1809	1847	1802	1889	1771	1637	1571	1419
<b>Ages at Death</b>													
{ 0-20 years	939	909	775	703	714	763	753	739	798	776	729	743	657
{ 20-40 "	367	450	349	282	238	218	256	234	226	196	193	204	183
{ 40-60 "	670	666	510	369	334	357	363	324	348	303	296	264	239
{ 60-80 "	640	576	503	390	363	390	374	418	428	404	342	309	285
{ 80 years & upwards	131	119	90	105	100	81	101	87	89	92	77	51	55
<b>"</b>													
{ Under 1 year	430	415	386	350	372	352	393	367	394	392	381	366	310
{ 1-5 "	375	344	294	250	254	306	259	263	294	271	270	304	253
{ 5-20 "	134	150	95	103	88	105	101	109	110	113	78	73	94
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	1	-	-	-	-	-	-
" Measles	24	24	21	11	8	21	14	19	35	35	45	45	35
" Scarlet fever	13	22	10	14	19	14	13	14	12	18	11	10	8
" Diphtheria	26	22	22	24	24	39	27	24	19	25	23	30	20
" Whooping-cough	112	104	82	67	91	115	103	97	95	86	76	101	84
" Typhus	-	-	1	-	-	-	-	-	-	-	-	-	-
" Enteric fever	11	14	10	9	2	12	8	7	4	3	7	7	2
" Simple Cont <sup>d</sup> fever	1	1	-	-	-	1	1	1	1	1	-	1	1
" Diarrhoea and Dysentery	12	6	14	9	4	6	21	12	9	14	14	13	10
" Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-
" all the above-mentioned Diseases	199	193	160	134	148	203	188	174	175	182	176	207	160
" Dis. of Respiratory System	1069	1010	736	550	485	439	452	492	510	447	381	375	296
" Phthisis	267	312	239	220	209	215	213	224	206	164	169	154	180
" Dis. of Circulatory System	275	209	193	116	154	143	162	146	163	145	148	120	114
<b>Violent Deaths</b>	55	65	60	62	58	56	77	52	65	76	49	61	36
<b>Inquest Cases</b>	192	171	142	127	125	137	143	134	120	162	115	117	85
<b>Deaths in Public Institutions</b>	534	626	491	471	401	436	434	425	406	390	406	377	362
<b>TEMPERATURE OF THE AIR</b>													
Mean	47·6	45·5	42·7	42·9	37·1	35·9	39·4	35·4	36·4	45·3	43·3	49·0	43·6
Mean of Highest readings	52·4	50·6	48·4	48·3	42·7	41·7	43·9	42·0	43·6	54·0	52·0	57·3	54·9
Mean of Lowest readings	43·0	39·4	36·9	38·2	32·0	30·8	35·9	30·4	29·0	37·6	36·0	42·6	33·1
<b>Humidity of the Air</b>	89	86	84	90	89	87	89	87	69	79	82	84	72
<b>Rain-fall in inches</b>	0·40	0·13	0·77	0·73	0·05	0·88	0·04	0·22	0·33	0·24	0·81	0·41	0·00
<b>Registered Sunshine (in hours)</b>	10·1	7·3	14·9	8·9	9·5	31·2	12·4	9·7	12·1	28·1	21·5	14·6	59·8

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotham, Wrotham; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIlwain, Esq., F.R.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.





TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION		Enu- mer- ated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of													Deaths in Public Institutions.	Unclassified Causes
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.			
LONDON		3,815,704	2329	1419	310	340	-	35	8	20	84	-	2	1	10	36	85	362	
WEST DISTRICTS		689,693	346	263	53	71	-	8	3	2	14	-	-	-	3	7	13	38	
NORTH DISTRICTS		905,947	516	289	54	63	-	7	2	6	22	-	-	1	-	4	16	59	
CENTRAL DISTRICTS		282,328	148	112	23	22	-	4	-	2	3	-	-	-	1	3	10	34	
EAST DISTRICTS		692,738	489	280	68	52	-	6	-	6	27	-	2	-	4	10	27	73	
SOUTH DISTRICTS		1,365,148	830	474	114	132	-	10	2	4	18	-	-	-	2	12	21	109	
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION		-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1	
LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.		69898	40	20	6	5	-	-	-	-	2	-	-	-	-	-	-	1	
St. John Paddington H - - G.J.		27330	16	16	3	6	-	-	-	-	1	-	-	-	1	-	2	6	
Kensington Town Ww - - W.M.		120141	43	49	6	17	-	-	-	-	5	-	-	-	-	1	3	19	
Brompton H - - W.M. & C.		43010	19	14	3	2	-	-	-	-	-	-	-	-	-	1	2	5	
St. Peter Hammersmith - - W.M.		7599	-	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H W.M. & G.J.		64340	47	23	5	5	-	-	-	-	2	-	-	-	-	-	-	-	
Fulham Ww - - W.M. & C.		42900	56	37	12	6	-	3	3	-	-	-	-	-	1	-	14	-	
Chelsea South HHH - - D.		30398	16	12	2	1	-	1	-	-	2	-	-	-	1	1	2	-	
Chelsea North-west WHHHHH C.		24925	18	13	1	4	-	1	-	1	-	-	-	-	1	-	7	-	
Chelsea North-east - - C.		32807	20	7	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair WW - - G.J.		30353	4	9	-	6	-	-	-	-	-	-	-	-	-	1	1	7	
Belgrave WHHH - - C.		69220	26	26	2	8	-	2	-	-	2	-	-	-	1	1	10	1	
St. John Westminster HHH - C.		35496	15	8	4	1	-	-	-	-	-	-	-	-	1	-	1	1	
St. Margaret Westminster H - C.		24879	7	11	2	1	-	-	-	1	-	-	-	-	-	1	8	-	
St. James Westminster WHH N.R. & G.J.		29941	12	10	2	5	-	-	-	-	-	-	-	-	-	1	4	2	
St. Anne Soho HHHHHHH - N.R.		16508	7	5	1	1	-	1	-	-	-	-	-	-	-	-	2	-	
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.		23769	15	14	1	3	-	1	-	-	-	-	-	-	-	-	7	-	
Cavendish Square HHHH - W.M.		14591	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone WH G.J. & W.M.		24909	9	9	2	1	-	-	-	1	-	-	-	-	-	-	1	-	
St. Mary Marylebone HHH G.J. & W.M.		21118	17	3	-	2	-	-	-	-	-	-	-	1	-	-	-	-	
Christchurch Marylebone HHH - W.M.		33700	17	6	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
St. John Marylebone H - W.M.		33633	12	7	2	1	-	-	-	1	-	-	-	-	-	-	-	-	
Hampstead WwHHHH N.R. & W.M.		45452	24	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
Regent's Park Pancras H - W.M.		89115	18	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tottenham-court WHHHH N.R. & W.M.		27729	19	11	1	3	-	-	-	2	1	-	-	-	-	-	-	5	
Gray's Inn Lane HHH - N.R.		30247	9	9	2	-	-	-	-	-	1	-	-	-	-	-	3	-	
Somers Town H - - N.R.		34389	26	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Camden Town WH - - N.R.		17311	9	13	1	8	-	-	-	-	-	-	-	-	-	-	10	-	
Kentish Town W - - N.R.		87437	61	32	6	9	-	-	-	2	-	-	-	-	-	2	10	-	
Upper Holloway WWwH - - N.R.		67946	41	30	8	5	-	1	-	-	6	-	-	-	1	3	6	-	
Islington South-west HH - N.R.		100976	59	40	10	6	-	3	-	1	3	-	-	-	-	-	-	-	
Islington South-east - - N.R.		61825	32	18	2	4	-	-	-	-	-	-	-	-	2	2	-	-	
Highbury H - - N.R.		52048	23	14	1	4	-	-	-	-	-	-	-	-	-	-	-	-	
Stoke Newington H - - N.R.		22781	6	6	2	3	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill - - E.L.		9277	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney H - - N.R.		27610	24	9	1	2	-	1	-	-	1	-	-	-	-	-	1	-	
Hackney WwHHH - - E.L. & N.R.		76011	55	40	7	7	-	-	2	3	4	-	-	-	-	-	3	16	
South Hackney - - E.L.		39883	20	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - N.R.		16681	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH - - N.R.		14304	11	8	2	2	-	1	-	-	-	-	-	-	-	-	-	-	
St. Giles North - - N.R.		18937	1	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	
St. Martin-in-the-Fields HYN R. & C.		17608	8	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand H - - N.R.		7515	3	4	1	1	-	-	-	-	-	-	-	-	-	-	-	1	
St. Clement Danea H - - N.R.		8599	3	8	1	1	-	-	-	-	-	-	-	-	-	-	1	5	
Strand Union Workhouse, Edmonton w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
St. Geo-the-Martyr HHHHHHH N.R.		18371	7	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
St. Andrew Eastern W - - N.R.		10706	7	9	3	2	-	1	-	-	-	-	-	-	-	-	4	-	
Saffron Hill H - - N.R.		6583	2	5	-	2	-	-	-	-	-	-	-	-	-	1	2	4	
St. James Clerkenwell - - N.R.		17516	13	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell - - N.R.		19281	15	6	2	2	-	1	-	-	-	-	-	-	-	-	-	-	
Pentonville - - N.R.		14773	9	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Gowall-street - - N.R.		17606	9	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Old-street H - - N.R.		11541	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
City-road HHL - - N.R.		18628	14	7	3	1	-	-	-	-	-	-	-	-	1	-	-	-	
Whitecross-street - - N.R.		9217	8	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Finsbury - - N.R.		7463	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Holborn Union Workhouse, Mitcham; w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph H - - N.R. & E.L.		11174	7	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate - - N.R.		7193	1	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
St. Sepulchre H - - N.R.		6583	2	20	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
St. Bride W - - N.R.		8396	1	1	-	-	-	-	-	2	1	-	-	-	-	2	3	18	
Albion-lane Barking - - N.R.		18466	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street H - - N.R.		5662	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The italic letters placed against the names of the sub-districts denote Public Institutions situated thereon, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>r</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Great Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R., New River; E. L., East London; and K., the Kent Company.

er, DYPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT day, 5th April, 1890.

		The DEATHS registered in the Week include:																	
REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from													Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.		
EAST DISTRICTS.																			
Steb South	HL	- N.R.	22843	7	5	2	2	-	-	1	-	-	-	-	-	1			
n New Town	w	- N.R.	29937	17	14	1	3	-	-	-	-	-	-	-	-	1			
n Old Town	-	- N.R.	28086	20	12	2	2	-	-	-	-	-	-	-	-	1			
ston WH	-	- N.R. & E.L.	46275	37	27	1	6	-	-	-	-	-	-	-	-	10			
al Green North	H	- E.L.	51157	41	20	9	3	-	-	2	1	-	-	-	-	-			
al Green South	-	- E.L.	34399	23	15	6	1	-	-	1	4	-	-	1	4	-			
al Green East	WHL*	- E.L.	41405	33	13	2	1	-	-	-	3	-	-	-	-	3			
Fields	-	- E.L. & N.R.	22585	11	5	1	-	-	-	-	-	-	-	-	-	-			
End New Town	W	- E.L.	15478	15	11	-	3	-	-	1	-	-	-	-	-	5			
chapel Church	H	- E.L. & N.R.	17490	12	23	1	4	-	-	1	-	-	-	2	2	2			
nan's Fields	-	- E.L.	9713	6	4	2	-	-	-	2	-	-	-	-	-	-			
Is	-	- N.R. & E.L.	6102	6	-	-	-	-	-	-	-	-	-	-	-	-			
George's, North	-	- E.L.	88747	21	8	2	-	-	-	1	-	-	1	1	1	-			
hn, St. George East	W	- E.L.	8410	9	5	4	1	-	-	-	-	-	-	-	-	2			
well H	-	- E.L. & N.R.	10985	4	3	5	-	-	-	1	-	-	1	-	-	5			
W	-	- E.L.	16107	11	5	1	2	-	-	-	-	1	-	-	-	-			
ouse	-	- E.L.	32041	21	12	2	4	-	-	2	-	-	-	2	5	-			
End Old Town West	H	- E.L.	37960	14	10	4	1	-	-	1	-	-	-	-	-	-			
End Old Town East	WwwH	- E.L.	67653	54	20	7	5	-	-	4	-	-	-	2	3	4			
L	-	- E.L.	37074	25	10	2	1	-	-	1	-	-	-	-	-	1			
ey wwwH	-	- E.L.	64359	57	35	6	9	-	-	1	-	-	-	-	-	16			
r. WHH	-	- E.L.	55077	40	18	5	4	-	-	1	-	1	2	1	4	-			
SOUTH DISTRICTS.																			
techurch Southwark	WH	L. & S.	18663	7	4	-	3	-	-	-	-	-	-	-	-	1			
vious Southwark	-	- S.	14999	11	4	1	2	-	-	-	-	-	-	-	-	2			
oad	-	- S. & L.	21831	16	4	2	-	-	-	-	-	-	-	-	-	-			
igh-road WH	-	- S. & L.	15953	4	4	-	-	-	-	-	-	-	-	-	-	2			
on-road HL	-	- S. & S.	21318	9	5	1	1	-	-	-	-	-	-	-	-	-			
ry Newington	-	- S.	26672	8	7	5	1	-	-	-	-	-	-	-	-	-			
ry Walworth	W	- S. & L.	59555	44	16	5	3	-	-	2	-	-	-	-	-	1			
ary Newington	-	- L. & S.	21623	11	10	4	1	-	-	1	-	-	-	-	1	-			
ave WH	-	- S.	11956	8	21	2	6	-	-	-	-	-	-	4	5	16			
ner Market	-	- S. & L.	16300	6	3	1	-	-	-	-	-	-	-	-	-	-			
ary Magdalen	W	- S.	15689	11	7	4	-	-	-	-	-	-	-	-	-	-			
rhithe WH	-	- S. & K.	36024	40	13	3	1	-	-	1	-	-	-	-	-	5			
rhithe WH	-	- S. & K.	36024	31	17	6	2	-	-	2	-	-	-	-	-	5			
lood-road 1st	H	- L. & S.	15195	12	8	1	2	-	-	1	-	-	-	-	-	-			
lood-road 2nd	H	- L. & S.	16351	25	6	4	-	-	-	-	-	-	-	1	1	3			
eth Church 1st	H	- L. & S.	19876	12	12	2	3	-	-	1	-	-	-	-	-	8			
eth Church 2nd	WW	- L. & S.	38659	31	20	9	6	-	-	-	-	-	-	-	-	14			
ington 1st	-	- S. & L.	45282	22	10	4	1	-	-	-	-	-	-	-	-	2			
ington 2nd	-	- S. & L.	35332	16	13	1	7	-	-	2	-	-	-	-	-	-			
on road	-	- L. & S.	62337	43	12	1	6	-	-	-	-	-	-	-	-	-			
ood W.	-	- L.	19017	17	2	1	1	-	-	-	-	1	-	-	-	1			
Battersea	-	- S.	54675	41	19	4	4	-	-	1	-	-	-	1	1	-			
Battersea WH	-	- S.	52587	42	36	3	18	-	-	-	-	-	-	-	2	10			
am H	-	- S.	39390	19	13	4	3	-	-	-	3	-	-	-	1	-			
laworth WHL	-	- S.	26004	23	8	3	8	-	-	-	-	1	-	1	1	-			
ay	-	- S.	13235	6	3	1	1	-	-	-	-	-	-	-	-	-			
atham	-	- L.	25558	16	8	2	1	-	-	2	-	-	-	-	-	-			
ish	-	- L. & S.	5580	-	3	-	2	-	-	-	-	-	-	-	-	-			
orwell W o L L	-	- S. & L.	59104	35	38	9	13	-	-	-	-	-	-	-	-	24			
am W	-	- S., L., & K.	71089	27	26	5	5	-	-	1	-	-	1	2	4	-			
George Camberwell	-	- L. & S.	50810	51	21	5	5	-	-	1	-	3	-	-	-	1			
al Deptford	ww	- K.	78752	60	23	9	5	-	-	2	1	-	-	-	-	4			
icholas Deptford	-	- K.	7901	6	1	-	-	-	-	-	-	-	-	-	-	-			
awich West	H	- K.	21972	12	5	2	-	-	-	1	1	-	-	2	3	10			
awich East	WHH	- K.	24603	20	17	1	7	-	-	1	-	-	-	-	-	-			
am H	-	- K.	5043	4	3	1	1	-	-	-	-	-	-	-	-	-			
H	-	- K.	21559	11	5	1	3	-	-	1	-	-	-	-	-	-			
atham WH	-	- K.	19865	22	12	1	6	-	-	1	-	-	-	1	1	4			
atham H	-	- L.	26076	3	9	2	6	-	-	-	-	-	-	-	-	-			
ton HH	-	- K.	10930	1	1	-	-	-	-	-	-	-	-	-	-	1			
wich Dockyard	-	- K.	17617	4	1	-	-	-	-	-	-	-	-	-	-	-			
wich Arsenal	HH	- K.	19043	7	7	1	1	-	-	-	-	-	-	-	-	2			
stead, West	H	- K.	14009	8	2	1	-	-	-	-	-	-	-	-	-	-			
stead, East	W	- K.	19241	13	9	3	2	-	-	-	-	-	-	-	-	2			
opolitan Asylum Hospitals:																			
arford w	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1			
inchmore Hill w	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-			

following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page) :—

[illegible]



TABLE 6.—LONDON.—OUTER RING.—AREA : POPULATION : BIRTHS and DEATHS registered during Week ending Saturday, 5th April, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acre, in- clud- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,937	706	433	88	120	-	11	4	9	23	2	6	10	20	50	
30 : 1	Carehalton <i>wL</i> -	12228	21118	9	18	1	8	-	-	-	-	-	-	-	-	-	17	
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	1	6	1	1	-	-	-	-	1	-	-	-	-	-	
37 : 1	Godstone ( <i>part of</i> ) * -	2754	1235	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
38 : 1	Croydon <i>WwH L</i> -	20851	101241	57	49	9	15	-	6	2	-	-	-	-	1	3	8	
2	Mitcham <i>w†</i> -	11697	17982	7	4	1	1	-	-	-	-	-	-	-	-	-	-	
39 : 1	Wimbledon <i>HHH</i> -	3220	15950	15	2	-	1	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	8549	36354	23	17	2	3	-	-	-	-	-	-	-	1	2	3	
3	Esher ( <i>part of</i> ) * -	6601	9221	6	1	-	1	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4573	18339	4	5	1	2	-	-	-	-	-	-	-	1	1	-	
40 : 1	Richmond <i>WH</i> -	2272	21302	12	5	1	2	-	-	-	-	-	-	-	-	1	1	
2	Mortlake -	2941	12331	10	8	3	3	-	-	-	-	-	-	-	-	-	-	
41 : 1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15669	81142	26	6	2	2	-	-	-	-	-	-	-	-	-	-	
2	Chislehurst ( <i>pt. of</i> ) * <i>WHH</i>	14307	15844	15	2	1	-	-	-	-	-	1	-	-	-	-	-	
42 : 1	Bexley <i>H</i> -	18437	24134	19	7	1	4	-	-	-	-	-	-	1	-	-	-	
2	Dartford ( <i>Ww, pts. of</i> ) * †	-	-	1	2	-	1	-	-	-	-	-	-	-	-	-	2	
124 : 1	Sunbury <i>w</i> -	11055	11655	6	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12089	14	6	1	1	-	-	-	-	-	-	-	-	-	1	
125 : 1	Hillingdon <i>WHH</i> -	6029	10809	9	6	3	1	-	-	-	-	-	-	-	1	1	-	
2	Uxbridge -	6178	3225	2	2	-	1	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14587	11528	7	5	-	-	-	1	-	1	-	-	-	-	-	3	
126 : 1	Isleworth <i>WHH</i> -	7008	22727	10	10	1	3	-	-	-	-	-	-	-	-	-	4	
2	Twickenham <i>H</i> -	2477	12479	3	6	1	2	-	-	1	-	-	-	-	-	-	1	
3	Brentford <i>HL</i> -	4245	27649	18	13	2	6	-	-	-	1	1	-	-	1	2	-	
4	Chiswick -	1240	15975	10	6	-	3	-	-	-	-	1	-	-	-	-	-	
5	Acton <i>wH</i> -	6083	22376	17	6	8	2	-	-	-	1	-	-	1	-	-	-	
127 : 1	Harrow <i>H</i> -	13809	12796	7	4	1	2	-	-	-	-	-	-	-	1	1	-	
2	Edgware <i>H</i> -	6994	3749	5	1	1	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	37433	30	15	2	2	-	-	-	2	1	1	-	-	1	-	
4	Hendon <i>W</i> -	8382	10484	9	2	1	1	-	-	-	-	-	-	-	-	-	1	
127 : 1	Bushey -	9331	6621	4	2	1	1	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W, pt. of</i> ) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128 : 1	South Mimms -	15299	6391	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5433	10092	2	1	1	-	-	-	-	-	-	-	-	-	-	-	
3	Finchley <i>HL</i> -	4638	17615	9	15	1	8	-	-	-	-	-	-	-	-	2	5	
128 : 1	Hatfield ( <i>part of</i> ) * -	3806	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129 : 1	Hornsey <i>H</i> -	3039	37078	26	14	4	9	-	-	-	-	1	-	-	-	-	-	
2	Tottenham <i>H</i> -	4642	46456	70	20	5	4	-	1	-	1	-	-	1	1	1	-	
3	Edmonton <i>Ww</i> -	7483	23668	19	10	1	1	-	-	-	-	4	-	-	-	-	-	
4	Enfield <i>WH</i> -	12633	19104	23	14	3	3	-	1	-	-	-	-	1	-	1	-	
5	Waltham Abbey -	11017	5363	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8490	7735	7	1	-	-	-	1	-	-	-	-	-	-	-	-	
129 : 1	Stratford -	382	38606	21	14	5	1	-	-	-	-	1	-	-	-	-	-	
2	West Ham <i>wvH</i> †	4055	90347	63	63	12	12	-	-	1	1	5	1	1	2	3	-	
3	East Ham <i>wv</i> -	3294	10706	16	11	7	1	-	-	-	-	2	-	1	-	-	-	
4	Leyton <i>WwL</i> -	4372	32430	20	26	3	8	-	-	-	-	1	-	-	-	1	3	
5	Walthamstow <i>H</i> -	6520	28869	27	13	3	3	-	1	-	1	3	-	-	-	-	1	
127 : 1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9689	7	3	1	-	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W, pt. of</i> ) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129 : 1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	5493	7645	6	4	-	1	-	-	-	1	-	-	-	-	-	-	
3	Barking Town -	4127	9203	11	5	1	-	-	-	-	-	1	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30 : 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1365); 37 : 1, the parishes of Warlingham and Farley in Godstone sub-district; 39 : 3, Esher sub-district, except the parish of Esher (pop. 1963); 41 : 1, Bromley sub-district, except the parishes of Cadnam & Knoekholt (pop. 1818); 41 : 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135 : 1, the parish of Norton in Hatfield sub-district; 127 : 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 129 : 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42 : 2, Dartford, 127 : 2, Watford, and 127 : 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 5th April, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16		
TER LONDON	448,334	5,758,500	16·8	1·9	1852	398	460	-	46	12	29	107	5	16	46	412		
TER LONDON -	77,410	4,421,061	16·7	1·9	1419	310	340	-	35	8	20	84	3	10	36	362		
TER RING -	370,924	1,336,839	16·0	2·1	433	88	120	-	11	4	9	23	2	6	10	50		

The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,220,308 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ATTA -	433,219	February 22	-	267	32·1	45	2	-	-	-	70	52†	
AY -	773,196	March 11	196	686	38·5	16	12	?	?	?	267	30†	
AS -	398,777	February 14	243	290	37·8	-	13	?	?	?	79	47†	
-	2,260,945-	March 29	1219	1167	26·8	2	41	8	45*	10	6	71	
ELS - (Faubourgs.)	477,288	" 29	255	173	18·7	1	-	-	1	3	1	15	
REDAM -	406,302	" 29	260	171	21·9	-	3	-	5	-	2	-	
REDAM -	203,486	" 29	137	85	21·7	-	-	-	-	-	1	1	
AGUE -	156,497	" 29	104	62	20·6	-	-	-	-	-	1	-	
HAGEN -	307,000	" 29	205	138	23·4	1	1	4	7	1	1	5	
HOLM -	228,218	" 22	161	93	21·2	-	-	9	3*	-	-	8	
TANIA -	138,300	" 29	63	66	24·0	-	4	1	2	2	-	1	
ERSBURG -	924,106	" 15	-	508	23·7	-	20	23	10	1	8	42	
-	1,526,887	" 15	936	605	20·6	-	5	12	39	16	1	26	
URG(State) -	675,276	" 22	431	253	22·9	-	1	3	10*	2	1	23	
EN -	269,250	" 22	181	127	24·5	-	-	-	7*	-	1	5	
AU -	324,143	" 29	210	185	30·3	-	-	1	11*	2	-	10	
EN -	298,000	" 22	247	175	30·5	-	2	1	5*	1	-	13	
A -	822,176	" 22	557	505	31·9	1	7	3	4	3	1	18	
E -	314,425	" 29	576	417	26·4	-	7	3	4	2	1	22	
E -	314,425	" 22	-	166	27·5	1	4	2	8	1	2	6	
PESTH -	463,017	" 22	371	320	35·9	-	2	2	16	-	1	24	
TE -	160,092	" 29	108	100	32·6	-	1	-	2*	-	1	1	
-	415,498	February 1	274	295	37·0	-	-	-	2	1	5†	8	
(10 days) -	314,827	March 10	269	273	31·7	1	8	-	-	4	3	22	
-	156,513	" 22	78	84	28·0	11	-	-	3*	-	1	6	
-	374,838	" 13	386	303	42·1	-	-	-	-	6	23	86	
NDRIA -	231,396	" 13	242	190	42·8	2	-	-	1	-	10	43	
YORK -	1,595,547	" 15	-	769	25·1	1	11	20	32	4	5	14	
LYS -	852,467	" 15	-	372	22·8	-	3	3	36	5	3	4	
DELPHIA -	1,064,277	" 15	-	339	19·1	-	6	2	4	4	10	4	
MORN -	500,343	" 15	-	224	23·3	-	16	1	6	1	3	1	
ORLEANS -	254,000	" 8	-	149	30·6	-	-	-	2	-	1	8	

\* Including deaths from croup.

† Including 19 deaths from cholera in Calcutta, 8 in Bombay, and 1 in Madras.

‡ Including 3 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, APRIL 5TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		Phases of the Moon.	TEMPERATURE.					TEMPERATURE.					TEMPERATURE.					Wind as deduced from Anemometers.					Rain collected in Gauge whose surface is 5 inches above the ground.		
MONTH AND DAY.	HABO-METER.		Of the Air.			Of the Dew Point.		Difference between the Air and Dew Point Temperature.		Degree of Humidity (Saturation 100°).	Of Radiation.		Of the Water at Deptford.		General Direction.		Pressure on the Square Foot.		Robinson's.						
			High-est.	Low-est.	Daily Range.	Mean.	De-parture from average value, 27 years.	Mean daily value.	Great-est.	Least.	High-est in the Sun's Rays.	Low-est on the Grass.	High-est.	Low-est.	A.M.	P.M.	Great-est.	Least.	Mean of 34 yearly obs.	Horizontal Movement of the Air on each Day.	Depart-ure from Average of 16 Years.				
MARCH.																									
SUN.	30	..	58.9	34.1	24.8	47.5	+ 5.2	37.4	10.1	19.4	0.0	68	93.9	24.1	40.2	47.7	SW. & NW.	NW. & N.	lbs. 0.0	lbs. 0.0	Miles. 186	in. 0.00			
MON.	31	..	53.1	34.1	19.0	43.7	- 1.1	37.1	6.6	13.4	0.0	78	113.8	25.1	49.5	48.0	E. & E.	E. & E.	0.0	0.0	214	0.00			
TUES.	1	..	51.7	33.0	18.7	41.4	- 3.9	33.1	8.3	16.3	0.0	72	121.3	25.0	49.9	48.6	E. & E.	E. & E.	0.1	0.0	172	0.00			
WED.	2	..	50.54	31.3	17.2	39.6	- 6.1	33.2	6.4	13.4	1.8	78	115.3	23.1	49.6	48.6	E. & E.	E. & E.	1.7	0.0	295	0.00			
THURS.	3	..	50.941	34.8	18.3	43.2	- 2.9	34.4	8.8	15.6	1.5	71	128.7	26.3	49.0	48.3	NNE. & ENE.	E. & N.E.	2.7	0.0	334	0.00			
FRI.	4	..	50.941	32.9	25.2	44.7	- 1.7	36.0	8.7	19.4	0.0	72	125.0	24.1	48.2	47.7	NNE. & ESE.	E. & ESE.	1.5	0.0	227	0.00			
SAT.	5	In Easter Full.	50.887	31.3	29.7	46.2	- 0.4	34.4	11.8	22.5	1.8	64	123.1	22.6	47.9	46.8	N. & NNE.	NE. & SW.	0.0	0.0	94	0.00			
MEANS	..	..	54.9	33.1	21.8	43.8	- 1.8	35.1	8.7	17.1	0.8	72	117.3	24.3	49.0	47.9	NE. & ENE.		..	..	Sum 1302	Sum 0.00			
No. of Col.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

DATE.		ELECTRICITY.		Registered Sun above		GENERAL REMARKS.	
MARCH.		(For explanation of symbols, see Note.)		Shine, in hours.		Horiz., in hours.	
SUNDAY	30	m. P. in morning; w. N. and w. P. afterwards.	7.4	12.8	Fine; generally cloudy; foggy and hazy in forenoon.	12.8	Fine; generally cloudy; foggy and hazy in forenoon.
MONDAY	31	w. P. generally	7.1	12.8	Cloudless and very fine in morning; cloudy and fine afterwards.	12.8	Cloudless and very fine in morning; cloudy and fine afterwards.
TUESDAY	1	w. P. till evening; m. P. at night.	8.0	12.9	Fine; partially cloudy till afternoon; cloudless afterwards.	12.9	Fine; partially cloudy till afternoon; cloudless afterwards.
WEDNESDAY	2	w. P. throughout	8.5	13.0	Fine; cloudless in early morning; small amounts of light cloud till afternoon; afterwards cloudless.	13.0	Fine; cloudless in early morning; small amounts of light cloud till afternoon; afterwards cloudless.
THURSDAY	3	w. P. generally	10.1	13.0	Very fine; cloudy in early morning; partially till afternoon; cloudless afterwards.	13.0	Very fine; cloudy in early morning; partially till afternoon; cloudless afterwards.
FRIDAY	4	w. P. till evening; m. P. at night.	9.5	13.1	Very fine; generally cloudless.	13.1	Very fine; generally cloudless.
SATURDAY	5	m. P. till afternoon; w. N. in evening; m. P. at night.	9.2	13.2	Hourly frost in morning. Very fine and generally cloudless till afternoon; foggy and hazy in evening; cloudy at night.	13.2	Hourly frost in morning. Very fine and generally cloudless till afternoon; foggy and hazy in evening; cloudy at night.
MEANS	30.8	..	Sum 50.8	Sum 50.8	..	Sum 50.8	..

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: - P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.91 in. at the beginning of the week to 30.19 in. at the end.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 15. 1890. VOL. LI.] WEEK ENDING SATURDAY, APRIL 12. [Price 1½d.

General Register Office, Somerset House,  
14th April, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·6 per 1000. The death-rates in each of the last four weeks in the several towns, alphabetically arranged, were:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.		Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.
Birkenhead	18·4	19·4	12·9	10·9	Liverpool -	23·2	22·3	24·1	21·4
Birmingham	21·0	22·4	20·9	18·2	London -	19·3	18·5	16·7	19·1
Blackburn -	28·3	27·9	24·1	28·3	Manchester -	30·5	31·9	28·6	31·5
Bolton -	26·6	19·4	23·9	28·8	Newcastle-on-Tyne	24·3	28·8	27·8	24·0
Bradford -	24·1	24·9	20·6	22·5	Norwich -	16·4	26·2	19·7	21·9
Brighton	17·7	28·7	16·4	18·1	Nottingham -	19·6	17·9	14·1	18·3
Bristol -	24·2	19·1	18·0	16·8	Oldham -	27·4	21·3	22·7	22·7
Cardiff -	23·6	20·9	22·7	15·6	Plymouth -	21·2	21·8	27·1	23·8
Derby -	17·1	21·7	20·2	24·8	Portsmouth -	25·9	20·8	16·8	15·3
Halifax	26·1	23·5	19·1	30·5	Preston -	25·8	23·3	22·3	18·3
Huddersfield	24·3	20·5	10·5	20·5	Salford -	22·8	26·7	18·1	22·4
Hull -	25·1	23·7	19·3	21·5	Sheffield -	28·0	29·3	23·3	23·7
Leeds -	26·2	22·6	24·2	23·4	Sunderland -	18·3	21·8	24·4	19·9
Leicester -	14·5	22·6	15·5	15·9	Wolverhampton -	28·8	19·4	25·0	28·1

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 3·1 in Derby; from *whooping-cough*, 1·0 in Leeds and in Manchester, 1·6 in Norwich, 1·8 in Bristol, 2·2 in Salford, 2·5 in Brighton and in Wolverhampton, and 3·2 in Bolton; and from "*fever*," 1·0 in Preston. The death-rate from *scarlet fever* did not reach 1·0 per 1000 in any of the twenty-eight towns. The 25 deaths from *diphtheria* included 21 in London, 4 in Manchester, 2 in Birmingham, and 2 in Sheffield. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2360 BIRTHS and 1619 DEATHS were registered. Allowing for increase of population, the births were 453, and the deaths 145, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from 22·3 to 16·7, rose again last week to 19·1. During the thirteen weeks of last quarter the death-rate averaged 23·6 per 1000, and exceeded by 1·0 the mean rate in the corresponding periods of the ten years 1880-89.

The 1619 deaths included 54 from *measles*, 12 from *scarlet fever*, 21 from *diphtheria*, 79 from *whooping-cough*, 1 from *typhus*, 4 from *enteric fever*, 10 from *diarrhoea* and *dysentery*, and not one from *small-pox*, ill-defined forms of continued fever, or *cholera*; thus, 181 deaths were referred to these diseases, being 54 below the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



No death from *small-pox* was registered, the corrected average being 16. The 54 fatal cases of *measles* showed an increase upon the numbers returned in recent weeks, but were 6 below the corrected average; 9 belonged to Islington, 6 to Shoreditch, and 11 to Battersea sanitary areas. The 12 deaths from *scarlet fever* were 9 below the corrected average, but showed an increase upon recent weekly numbers. The deaths from *diphtheria*, which had been 30 and 20 in the two preceding weeks, were last week 21, and corresponded with the corrected average; 3 belonged to Hackney sanitary area. The 79 fatal cases of *whooping-cough* showed a further decline from the numbers in the two previous weeks, and were 9 below the corrected average; 7 belonged to Islington, 6 to Hackney, 5 to St. Luke, 8 to Shoreditch, and 7 to Greenwich sanitary areas. The death of a shop-boy, aged 14 years, in Payne Street, Deptford, was attributed to *typhus*.

The deaths primarily attributed to *influenza* which had been 17, 13, and 10 in the three preceding weeks, further declined last week to 7.

The 384 deaths referred to diseases of the respiratory organs, exceeded the numbers in recent weeks, but were 40 below the corrected average.

#### GREATER LONDON.

In Greater London 3203 births and 2038 deaths were registered, corresponding to annual rates of 29.0 and 18.5 per 1000 of the estimated population. In the Outer Ring 30 deaths from whooping-cough and 13 from measles were registered. The fatal cases of whooping-cough included 5 in Willesden, 5 in West Ham, 4 in Tottenham, and 4 in Croydon sub-districts; and of the 13 deaths from measles, 5 occurred in Walthamstow, and 2 in Tottenham sub-districts.

DEATHS BELONGING to the SEVERAL SANITARY AREAS of REGISTRATION LONDON registered in the 13 WEEKS ENDING ON 29TH MARCH, 1890.

SANITARY AREAS.	Total Deaths from all Causes.	Deaths from Principal Zymotic Diseases.										Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhoea.			
REGISTRATION LONDON	25,558	1	398	182	234	1224	1	108	8	143	4984	143	
WEST.													
Paddington	647	-	17	2	8	42	-	1	-	-	110	138	
Kensington	877	-	2	7	15	37	-	2	-	-	159	165	
Hammersmith	506	-	-	7	13	30	-	2	-	3	120	157	
Fulham	476	-	4	17	7	20	-	1	-	8	124	162	
Chelsea	574	-	5	7	10	28	-	1	1	5	87	120	
St. George Hanover Square	398	-	9	-	4	12	-	3	-	2	62	144	
Westminster	435	-	-	3	4	23	-	-	-	2	84	123	
St. James Westminster	152	-	-	1	1	3	-	2	-	-	20	122	
NORTH.													
Marylebone	975	-	6	4	5	89	-	2	-	7	162	235	
Hampstead	241	-	1	1	8	6	-	1	-	2	50	130	
Pancras	1456	-	21	2	28	61	-	5	1	7	275	149	
Islington	1789	-	48	10	18	54	-	6	-	8	355	144	
Hackney	1117	-	11	14	13	89	-	4	-	5	202	114	
CENTRAL.													
St. Giles	319	-	3	-	4	1	-	1	-	1	40	119	
St. Martin-in-the Fields	97	-	2	-	-	1	-	-	-	1	13	169	
Strand	225	-	5	-	-	3	-	-	-	1	30	217	
Holborn	284	1	6	8	5	7	-	2	-	1	50	207	
Clerkenwell	500	-	12	2	8	6	-	1	-	5	89	142	
St. Luke's	401	-	28	4	4	16	-	2	-	2	68	137	
London City	327	-	4	-	4	3	-	3	-	-	29	149	
EAST.													
Shoreditch	874	-	17	9	14	62	-	2	-	8	180	145	
Bethnal Green	883	-	13	6	25	57	-	4	-	6	180	135	
Whitechapel	538	-	8	3	5	19	-	4	-	3	104	150	
St. George-in-the-East	423	-	2	4	3	22	-	2	-	3	82	178	
Stepney	447	-	8	2	8	24	-	5	-	4	78	141	
Mile End Old Town	724	-	9	8	10	49	-	5	-	6	159	161	
Poplar	1083	-	9	5	25	67	-	6	-	3	258	166	
SOUTH.													
St. Saviour Southwark	233	-	10	1	1	11	-	-	-	3	41	162	
St. George Southwark	463	-	3	4	4	23	-	-	-	1	100	185	
Newington	759	-	2	0	11	35	-	1	1	3	161	147	
St. Olave Southwark	89	-	-	2	2	2	-	-	-	1	16	128	
Bermondsey	540	-	18	4	4	16	-	3	-	2	102	123	
Rotherhithe	245	-	3	-	3	13	1	3	-	3	49	145	
Lambeth	1688	-	13	13	12	84	-	6	2	7	318	120	
Battersea	817	-	20	8	8	67	-	4	1	3	185	140	
Wandsworth	737	-	1	4	7	41	-	6	-	4	162	144	
Camberwell	1293	-	4	14	18	106	-	2	-	5	275	144	
Greenwich	888	-	6	3	7	35	-	2	-	3	190	134	
Lewisham (excluding Penge)	817	-	1	1	5	13	-	2	-	2	74	171	
Woolwich	260	-	-	2	1	14	-	-	-	-	53	175	
Plumstead	421	-	2	1	7	34	-	1	-	2	109	145	

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 66 that occurred outside that area in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylum Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand the deaths of 431 non-residents who died in Public Institutions inside London have been excluded from the Table.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·56 ins.; the highest reading was 29·83 ins. at the beginning of the week, and the lowest 29·29 ins. on Monday afternoon. The mean temperature of the *air* was 43°·2, and 3°·6 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Sunday, but was below the average on each of the subsequent days of the week. The direction of the *wind* was variable, and the horizontal movement of the air averaged 12·4 miles per hour, which was 0·3 of a mile above the average in the corresponding weeks of 16 years. *Rain* fell on three days of the week, to the aggregate amount of 0·29 of an inch. The duration of registered bright sunshine in the week was 22·0 hours, against 24·5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of MARCH 1890; according to their returns 164,906,829 gallons or 749,247 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 217 gallons (98·5 decalitres), being rather less than a *ton* by weight, to each house, and (assuming 7·8 persons to each house) 27·8 gallons (12·6 decalitres) to each person, against 26·6 gallons during March 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	MARCH. 1889.	MARCH. 1890.	MARCH. 1889.	MARCH. 1890.
<b>TOTAL SUPPLY</b> . . . .	748,727	760,316	155,425,673	164,906,829
From Thames . . . . .	360,786	366,696	77,582,844	81,504,139
From Lea and from other Sources . .	387,941	393,620	77,842,829	83,402,690
<b>THAMES.</b>				
Chelsea . . . . .	34,835	35,311	9,072,930	9,336,947
West Middlesex . . . . .	71,339	72,818	13,977,465	15,365,052
Southwark and Vauxhall . . . .	110,707	111,958	31,787,724	22,944,357
Grand Junction . . . . .	55,243	56,028	16,414,125	17,007,783
Lambeth . . . . .	88,662	90,588	16,330,600	16,850,000
<b>LEA AND OTHER SOURCES.</b>				
New River . . . . .	151,975	153,202	27,800,000	29,592,000
East London . . . . .	104,109	106,813	38,760,052	41,944,774
Kent . . . . .	71,857	73,605	11,282,777	11,865,916

*Note.*—The Return for March 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,589 houses, and of 9,481,156 gallons of water supplied daily.

#### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING MARCH.

*Water-analysis Laboratory, The Yews, Reigate,  
3rd April, 1890.*

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of March.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0·5, New River 1·3, Colne Valley 1·4, Tottenham 1·7, Grand Junction 2·1, Southwark and Lambeth 2·4, East London 2·6, West Middlesex 2·9, and Chelsea 3·5.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies again exhibited a considerable reduction in the proportion of organic matter, the Grand Junction Company's water taking the lead in this respect. The water was in every case efficiently filtered.

The water obtained chiefly from the River Lea by the New River and East London Companies showed a corresponding improvements as compared with the supply in February. It was efficiently filtered.



The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity, but only the supply of the Kent Company excelled that of the New River Company in this respect. The Tottenham water was slightly turbid owing to suspended particles of rust of iron. The Kent and Colne Valley waters were clear and bright. That of the Colne Valley Company was softened before delivery and was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances:—Kent, Colne Valley, and New River, clear and colourless; Tottenham slightly turbid and colourless; the remaining waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "slightly turbid and greenish yellow."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. The temperature was exceptionally high."

The Registrar General, &c. &c.

I am, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.		Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.	March 10th, Chelsea - - - { Cab Rank, Horse Guards, Whitehall. }	5°0	31·38	·163	·045	0	·270	·315	1·8	21·8
	West Middlesex	March 10th, - - - { Cab Rank, Portland-road. }	6°2	31·64	·131	·040	0	·282	·322	1·8	22·7
	Southwark	March 10th, - - - { Cab Rank, Bricklayers Arms, Old Kent-road. }	5°9	31·40	·110	·033	0	·280	·313	1·8	22·4
	Grand Junction	March 10th, - - - { Cab Rank, Uxbridge-road, near Marble Arch. }	5°4	31·34	·101	·023	0	·279	·302	1·8	22·4
	Lambeth	March 10th, - - - { Cab Rank, St. George's- road, Southwark. }	5°8	32·00	·128	·015	0	·298	·313	1·9	22·7
	LEA.	March 10th, New River - - - { Cab Rank, Tottenham Court-road. }	5°6	30·90	·060	·014	0	·329	·343	1·8	23·0
Outer Circle.	East London	March 10th, - - - { Fire Brigade Station, Commercial-road, E. }	5°2	33·40	·139	·016	0	·289	·305	1·9	23·6
	DEEP WELLS.	March 10th, Kent - - - { Mill Lane, Deptford. }	11°9	42·64	·019	·008	0	·504	·512	2·6	32·2
	Colne Valley	March 25th, - - - { Bushey. }	—	19·24	·070	·015	·003	·427	·445	2·1	8·9
	Tottenham	March 24th, - - - { Tottenham. }	—	47·00	·083	·019	·030	·473	·517	3·3	25·1
	Corporation of Birming- ham*	March 4th, - - - { 110, Bath-street. }	4°4	28·66	·187	·023	·001	·176	·200	1·6	16·9
Corporation of Glasgow†		March 17th, - - - { Loch Katrine Water. }	5°8	2·5	·145	·045	0	·003	·048	·75	0·95
Column 1.		2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to read thus:—the Chelsea Company's water, collected on the 10th March, at the Horse Guards cab-rank, had a temperature of 5°·0 C.; 100,000 lbs. of it contained 31·38 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·163 lb. of carbon and ·045 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·270 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·315 lb. The above weight of water also contained 1·8 lbs. of chlorine; and 21·8 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.





TABLE 2. LONDON.—Births and Deaths Registered in the FIFTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2656	2344	2529	2598	2429	2617	2655	2626	2831	2509	2812.7	2360
Males	1329	1171	1322	1349	1232	1358	1342	1328	1442	1292	1435.6	1154
Females	1327	1173	1207	1249	1197	1259	1313	1298	1389	1217	1377.1	1206
<b>TOTAL Deaths</b>	1519	1636	1727	1803	1474	1706	1571	1558	1692	1493	1764.3	1619
Males	787	809	865	944	771	865	828	803	882	777	909.5	842
Females	732	827	862	859	703	841	743	755	810	716	855.8	777

\* The numbers in this column are the average weekly numbers in the fifteenth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Jan. 18.	Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.
TOTAL Births	2714	2510	2699	2707	2793	2702	2561	2536	2717	2534	2543	2329	2360
TOTAL Deaths	2720	2227	1849	1749	1809	1847	1802	1889	1771	1637	1571	1419	1619
Ages at Death													
{ 0—20 years	909	775	703	714	763	753	739	798	776	729	743	657	774
{ 20—40 "	450	349	282	238	218	256	234	226	196	193	204	183	204
{ 40—60 "	666	510	369	334	357	363	324	348	303	296	264	239	275
{ 60—80 "	576	503	390	363	390	374	418	423	404	342	309	285	303
{ 80 years & upwards	119	90	105	100	81	101	87	89	91	77	51	55	58
" Under 1 year	415	386	350	372	352	393	367	394	392	381	366	310	372
" 1—5	344	294	250	254	306	259	263	294	271	270	304	253	298
" 5—20	150	95	103	88	105	101	109	110	113	78	73	94	104
Deaths from Small-pox	-	-	-	-	-	1	-	-	-	-	-	-	-
" " Measles	24	21	11	8	21	14	19	35	35	45	45	35	54
" " Scarlet fever	52	10	14	19	14	13	14	12	18	11	10	8	12
" " Diphtheria	22	22	24	24	39	27	24	19	25	23	30	20	21
" " Whooping-cough	104	82	67	91	115	103	97	95	86	76	101	84	79
" " Typhus	-	1	-	-	-	-	-	-	-	-	-	-	1
" " Enteric fever	14	10	9	2	12	8	7	4	3	7	7	2	4
" " Simple Cont. fever	1	-	-	-	1	1	1	1	1	-	1	1	-
" " Diarrhoea and Dysentery	6	14	9	4	6	21	12	9	14	14	13	10	10
" " Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-
" " all the above- mentioned Diseases	193	160	134	148	203	188	174	175	182	176	207	160	181
" " Dis. of Respira- tory System	1010	736	550	485	439	452	492	510	447	381	375	296	384
" " Phthisis	312	239	220	209	215	218	224	206	164	169	154	180	174
" " Dis. of Circula- tory System	209	193	116	154	143	162	146	163	145	148	120	114	151
Violent Deaths	65	60	62	58	56	77	52	65	76	49	61	36	60
Inquest Cases	171	142	127	125	137	143	134	120	162	115	117	85	133
Deaths in Public Institutions	626	491	471	401	436	434	425	406	390	406	377	362	381
TEMPERATURE OF THE AIR													
Mean	45.5	42.7	42.9	37.1	35.9	39.4	35.4	36.4	45.3	43.8	49.0	43.8	43.2
Mean of Highest readings	50.6	48.4	48.3	42.7	41.7	43.9	42.0	43.6	54.0	52.0	57.3	54.9	52.0
Mean of Lowest readings	39.4	36.9	38.2	32.0	30.8	35.9	30.4	29.0	37.6	36.0	42.6	33.1	37.0
Humidity of the Air	86	84	90	89	87	89	87	69	79	82	84	72	72
Rain-fall in inches	0.13	0.77	0.73	0.05	0.88	0.04	0.22	0.33	0.24	0.81	0.41	0.00	0.29
Registered Sunshine (in hours)	7.3	14.9	8.9	9.5	31.2	12.4	9.7	12.1	28.1	21.5	14.6	59.8	22.0

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; F. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FIFTEENTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 15th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 12th April 1890.								CAUSES OF DEATH.	Corrected Averages for the 15th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 12th April 1890.							
		Deaths of Persons of the Ages										Deaths of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
		0-1.	1-5.	5-20.							0-1.	1-5.	5-20.						
ALL CAUSES - -	1764.3	1619	372	298	104	204	275	308	53	Diseases of Organs of Special Sense † - -	2.1	4	-	-	2	2	-	-	-
Small-pox { Vaccinated † - -	15.9	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	117.1	151	2	3	11	30	49	49	7
Unvaccinated - -		-	-	-	-	-	-	-	-	Croup - - -	14.1	6	1	4	1	-	-	-	-
No Statement - -	-	-	-	-	-	-	-	-	-	Bronchitis - - -	252.0	219	65	52	5	3	27	56	11
Measles - - -	59.8	54	15	33	6	-	-	-	-	Pneumonia - - -	117.1	138	23	46	5	15	24	14	1
Scarlet Fever - -	20.6	12	-	7	5	-	-	-	-	Pleurisy - - -	7.2	5	-	-	3	-	2	-	-
Typhus - - -	1.1	1	-	-	1	-	-	-	-	Other Diseases of Respiratory System - -	83.4	26	6	5	1	3	6	5	-
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	Dentition † - - -	20.4	16	10	6	-	-	-	-	-
Influenza - - -	0.0	7	-	-	-	2	3	1	1	Quinsy, Sore Throat † -	1.3	1	-	1	-	-	-	-	-
Whooping-cough -	88.4	79	34	42	3	-	-	-	-	Enteritis - - -	5.8	8	3	1	2	-	1	-	1
Diphtheria - - -	21.4	21	-	14	7	-	-	-	-	Peritonitis - - -	6.1	14	-	-	2	-	2	-	-
Simple Continued and Ill-defined Fever -	1.4	-	-	-	-	-	-	-	-	Diseases of Liver - -	27.8	25	9	-	-	3	10	10	-
Enteric Fever - -	14.8	4	-	-	1	3	-	-	-	Other Diseases of Digestive System -	52.0	22	5	1	1	1	8	5	1
Cholera - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - -	1.6	4	-	1	2	1	-	-	-
Diarrhoea, Dysentery	11.3	10	6	1	-	-	1	-	2	Diseases of Urinary System - - -	40.2	45	-	1	4	5	17	17	1
Remittent Fever -	0.5	-	-	-	-	-	-	-	-	Diseases of Generative System - - -	5.8	4	-	-	-	2	2	-	-
Hydrophobia - -	0.1	-	-	-	-	-	-	-	-	Accidents of Childbirth -	5.2	2	-	-	-	2	-	-	-
Randlers - - -	0.1	-	-	-	1	-	-	-	-	Diseases of Locomotive System † - - -	7.6	11	1	3	2	1	2	2	-
Scowpox and Effects of Vaccination † - -	0.1	-	-	-	-	-	-	-	-	Diseases of Integumentary System - - -	5.2	3	1	-	1	-	-	1	-
General Affections -	11.1	13	10	-	-	1	-	2	-	VIOLENT DEATHS. ‡									
Erysipelas - - -	5.0	7	3	-	-	1	1	2	-	(ACCIDENT.)									
Pyæmia and Septicæmia †	2.8	1	-	-	-	-	-	1	-	Fracture and Contusion	24.2	24	-	2	6	4	6	4	2
Puerperal Fever - -	5.3	2	-	-	2	-	-	-	-	Gunshot Wound - - -	0.2	-	-	-	-	-	-	-	-
Other Zymotic Diseases †	2.4	2	2	-	-	-	-	-	-	Cut, Stab - - -	0.7	-	-	-	-	-	-	-	-
Thrush - - -	1.9	1	1	-	-	-	-	-	-	Burn and Scald - - -	5.8	7	-	3	1	-	1	2	-
Vermin and other Parasitical Diseases - -	0.8	-	-	-	-	-	-	-	-	Poison - - -	1.4	1	-	-	-	-	1	-	-
Starvation, Want of Breast-milk † - of	1.2	3	1	-	-	1	1	-	-	Drowning - - -	5.5	3	-	1	2	-	-	-	-
Alcoholism - - -	5.1	12	-	-	-	3	7	2	-	Suffocation - - -	15.3	16	15	-	-	-	1	-	-
Rheumatic Fever, Rheumatism of Heart †	7.8	8	-	1	3	1	3	-	-	Otherwise - - -	2.2	4	1	1	-	1	1	-	-
Rheumatism † - -	3.0	3	-	-	-	-	3	-	-	(HOMICIDE.)									
Gout - - -	3.4	4	-	-	-	-	1	3	-	Murder & Manslaughter	1.3	-	-	-	-	-	-	-	-
Rickets † - - -	5.0	4	-	4	-	-	-	-	-	(SUICIDE.)									
Cancer - - -	52.3	49	-	-	1	5	23	20	-	Gunshot Wound - - -	0.9	1	-	-	-	-	1	-	-
Scabs Mesenterica	26.2	18	7	8	2	1	-	-	-	Cut, Stab - - -	1.7	2	-	-	-	1	1	-	-
Tubercular Meningitis	38.1	25	5	15	3	2	-	-	-	Poison - - -	2.7	1	-	-	-	-	1	-	-
Phthisis - - -	180.1	174	1	7	17	94	38	17	-	Drowning - - -	1.3	1	-	-	-	-	-	-	-
Scrophula, Tuberculosis	17.9	13	3	8	-	1	1	-	-	Hanging - - -	2.5	1	-	-	-	1	-	-	-
Other Constitutional Diseases † - -	9.8	11	-	-	1	-	5	5	-	Otherwise - - -	0.3	-	-	-	-	-	-	-	-
Premature Birth - -	38.4	32	32	-	-	-	-	-	-	(EXECUTION.)									
Atelectasis † - -	2.4	1	1	-	-	-	-	-	-	Hanging - - -	0.0	-	-	-	-	-	-	-	-
Congenital Malformations - -	7.1	7	7	-	-	-	-	-	-	OTHER CAUSES † - -	60.3	55	47	3	-	-	-	3	1
Old Age - - -	60.1	44	-	-	-	-	22	22	-										
Apoplexy - - -	46.2	50	-	-	1	2	14	31	2										
Epilepsy - - -	8.4	11	-	1	1	2	3	3	1										
Convulsions - - -	53.0	52	47	4	1	-	-	-	-										
Other Diseases of Brain and Nervous System	105.3	84	15	20	6	3	14	21	5										

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated," when are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DYPHTERIA, WHOOPING-COUGH, TYPHUS, ENTERIC (OR TYPHOID) FEVER, SIMPLE CONTINUED FEVER, DIARRHOEA, VIOLENCE, INFANTICIDE, and DEATHS in Public Institutions, during the Week ending

		The DEATHS registered in the Week include																	
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation. 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from												Deaths in Public Institutions.
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.			
LONDON		3,815,704	2360	1619	372	366	-	54	12	21	79	1	4	-	10	60	133	38	
WEST DISTRICTS		669,693	359	247	46	69	-	7	2	4	11	-	-	-	2	8	15	73	
NORTH DISTRICTS		905,947	539	399	83	76	-	16	5	10	18	-	1	-	2	17	42	77	
CENTRAL DISTRICTS		962,288	150	114	26	16	-	3	-	1	12	-	-	-	-	8	14	33	
EAST DISTRICTS		692,788	433	315	77	70	-	9	1	2	19	-	-	-	1	11	23	79	
SOUTH DISTRICTS		1,265,148	888	544	140	135	-	19	4	4	19	1	3	-	5	16	36	112	
METROPOLITAN ASYLUM POS- PITALS OUTSIDE REGISTRATION LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.		69888	60	24	9	8	-	1	-	-	1	-	-	-	-	2	1	2	
St. John Paddington H - - G.J.		37390	13	16	2	6	-	2	-	-	1	-	-	-	-	3	9	-	
Kensington Town W - - W.M.		120141	59	451	10	14	-	-	-	-	3	-	-	-	-	-	15	-	
Brompton H - - W.M. & C.		43010	12	11	3	2	-	-	-	-	-	-	-	-	-	-	2	-	
St. Peter Hammersmith - - W.M.		7399	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H W.M. & G.J.		64340	56	20	8	6	-	-	-	1	1	-	-	-	2	1	3	2	
Fulham W - - W.M. & C.		42990	41	34	8	6	-	1	2	1	1	-	-	-	2	3	12	-	
Chelsea South HHH - - C.		30396	16	16	3	4	-	1	-	2	-	-	-	-	-	-	5	-	
Chelsea North-west WHHHH C.		24925	13	15	-	3	-	1	-	-	1	-	-	-	-	1	8	-	
Chelsea North-east - - C.		32807	29	7	2	2	-	-	-	-	-	-	-	-	-	1	-	-	
May Fair WW - - G.J.		30353	8	14	1	8	-	1	-	-	-	-	-	-	-	-	10	-	
Belgrave WHH - - C.		59220	17	18	1	4	-	-	-	-	-	-	-	-	2	2	7	-	
St. John Westminster HHH - C.		35495	9	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
St. Margaret Westminster H - C.		24972	9	13	2	2	-	-	-	4	-	-	-	-	-	1	4	-	
St. James Westminster WHH N.R. & G.J.		22941	12	9	2	4	-	-	-	-	-	-	-	-	-	-	1	-	
St. Anne Soho HHHHHH - N.R.		16608	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.		26759	13	19	-	4	-	-	-	-	-	-	-	-	-	4	5	10	
Cavendish Square HHHH - W.M.		14391	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Restory Marylebone WH G.J. & W.M.		24809	11	8	3	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary Marylebone HHH G.J. & W.M.		21118	22	9	3	1	-	-	-	-	1	-	-	-	-	1	1	-	
Christchurch Marylebone HHH - W.M.		33700	15	13	1	2	-	2	-	-	-	-	-	-	-	1	3	1	
St. John Marylebone H - W.M.		33633	16	14	3	2	-	1	-	1	1	-	-	-	-	-	-	-	
Hampstead WWHHHH N.R. & W.M.		45452	22	19	1	7	-	-	2	1	-	-	-	-	-	1	4	3	
Regent's Park Pancras H - W.M.		39115	50	10	1	2	-	-	-	-	1	-	-	-	-	1	1	-	
Tottenham-court WHHHH N.R. & W.M.		27729	9	13	1	2	-	-	-	-	1	-	-	-	-	1	2	6	
Gray's Inn Lane HHH - N.R.		30247	17	22	5	4	-	3	-	-	-	-	-	-	2	5	3	-	
Somers Town H - N.R.		34369	19	10	1	3	-	-	-	-	1	-	-	-	1	1	2	-	
Camden Town WH - N.R.		17311	7	18	4	7	-	-	-	-	-	-	-	-	-	-	11	-	
Kentish Town W - N.R.		37487	71	33	9	4	-	-	-	-	-	-	-	-	-	5	8	-	
Upper Holloway WWHH - N.R.		67946	54	35	7	9	-	1	-	-	2	-	-	-	1	1	12	-	
Islington South-west HH - N.R.		109976	67	40	12	2	-	3	-	-	3	-	-	-	1	2	4	-	
Islington South-east - - N.R.		61825	32	20	7	4	-	-	-	-	2	-	-	-	-	-	-	-	
Highbury H - N.R.		52048	27	22	6	2	-	5	-	-	1	-	-	-	-	1	4	-	
Stoke Newington H - N.R.		22731	20	8	2	3	-	1	-	-	-	-	1	-	-	-	-	-	
Stamford Hill - - E.L.		9277	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney H - N.R.		37610	17	10	3	8	-	-	-	-	2	-	-	-	-	-	-	-	
Hackney WWHH - E.L. & N.R.		76911	45	59	9	8	-	-	3	6	2	-	-	-	-	1	3	21	
South Hackney - - E.L.		39883	17	21	4	5	-	-	-	1	1	-	-	-	-	2	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - N.R.		16681	6	5	-	2	-	-	-	-	-	-	-	-	-	-	1	-	
St. Giles South WH - - N.R.		14864	13	7	3	-	-	1	-	-	-	-	-	-	-	-	1	2	
St. Giles North - - N.R.		13837	4	3	1	-	-	-	-	-	2	-	-	-	-	-	-	-	
St. Martin-in-the-Fields HHH N.R. & C.		17508	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand H - - N.R.		7515	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	6	
St. Clement Danes H - - N.R.		8559	1	5	1	-	-	-	-	-	-	-	-	-	-	-	1	2	
Strand Union Workhouse, Edmonton w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	
St. Geo.-the-Martyr HHHHHH N.R.		18371	10	8	1	-	-	-	-	-	1	-	-	-	-	-	-	4	
St. Andrew Eastern W - - N.R.		10706	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	2	
Radnor Hill H - - N.R.		6583	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell - - N.R.		17516	13	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell - - N.R.		19281	16	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville - - N.R.		14773	13	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street - - N.R.		17593	8	1	1	1	-	-	-	-	2	-	-	-	-	-	-	-	
Old-street H - - N.R.		11541	8	7	3	3	-	-	-	-	-	-	-	-	-	-	1	-	
City-road HHL - - N.R.		18628	22	3	3	3	-	-	-	-	2	-	-	-	-	1	1	-	
Whitecross-street - - N.R.		9217	3	7	1	2	-	-	-	-	-	-	-	-	-	-	2	-	
Finsbury - - N.R.		7463	3	3	-	-	-	-	-	-	3	-	-	-	-	1	-	-	
Holborn Union Workhouse, Mitcham, w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph H - - N.R. & E.L.		11174	12	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate - - N.R.		7193	2	3	1	1	-	-	-	-	1	-	-	-	-	1	2	-	
St. Sepulchre H - - N.R.		5358	1	19	1	2	-	1	-	-	-	-	-	-	-	-	-	-	
St. Bride W - - N.R.		3896	2	2	-	1	-	-	-	-	-	-	-	-	-	4	5	16	
Allhallows Barking - - N.R.		13666	1	4	1	1	-	-	-	-	-	-	-	-	-	-	1	-	
Broad Street H - - N.R.		3662	-	4	-	-	-	1	-	-	1	-	-	-	-	-	-	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the W and Vauxhall; L Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

20 following WORKHOUSE Establishments are indicated in the above Table of *w* (see note at foot of preceding page) :—

Marylebone Infirmary in Kensington Town sub-district.	Stepney Workhouse in Bromley sub-district.
Central London Sick Asylum in Tottenham Court sub-district.	Poplar & Stepney Sick Asylum
Holborn Infirmary in Upper Holloway sub-district.	Westminster Union Industrial School in West Battersea sub-district.
London City Workhouse in Hackney sub-district.	St. Saviour's Infirmary in Camberwell sub-district.
Holborn " in Hoxton New Town sub-district.	Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hack-
Whitechapel " in Mile End Old Town Eastern sub-dist.	ney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford
London City " in Mile End Old Town Eastern sub-dist.	and Edmonton sub-districts outside Registration London.
	Strand and Holborn Workhouses outside Registration London.
	On 1st April 1890 the registration sub-districts of Holwell and St. Leonard, Shoreditch, were united under the name of Shoreditch South,



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 12th April, 1890.

Registration District and Sub-district Numbers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, including Tidal Water and Fore-shore.	Enu-merated Popu-lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,957	843	419	104	91	-	13	3	4	30	3	2	12	33	40	
30:1	Carshalton uL	12228	21113	10	8	2	2	-	-	-	-	1	-	-	-	-	3	
2	Epsom (part of)* WwH	9971	10710	4	1	1	-	-	-	-	-	-	-	-	-	-	-	
37:1	Godstone (part of)*	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon WwH L	20851	101241	72	20	4	3	-	-	-	-	4	-	1	-	2	5	
2	Mitcham u†	11497	17932	19	1	-	-	-	1	-	-	-	-	-	-	-	-	
39:1	Wimbledon HHH	3220	16950	16	6	2	1	-	-	-	-	-	-	-	-	-	-	
2	Kingston WHH	8549	36354	29	17	3	9	-	-	-	-	-	-	-	-	3	-	
3	Esher (part of)*	6601	9221	5	4	1	1	-	-	-	-	-	-	-	-	1	-	
4	Hampton H	4573	13539	11	5	1	2	-	-	-	-	-	-	-	1	1	1	
40:1	Richmond WH	2272	21302	7	7	2	4	-	-	-	-	-	-	-	1	1	3	
2	Mortlake	2941	12331	12	4	2	1	-	-	-	-	1	-	-	-	-	-	
41:1	Bromley (pt. of)* HH	15669	31142	26	18	3	1	-	-	-	-	-	-	-	-	-	1	
2	Chislehurst(pt.of)* WHH	14307	15844	14	6	3	1	-	1	-	-	2	-	-	-	-	-	
42:1	Bexley H	13437	24134	22	8	2	2	-	-	-	-	-	-	-	2	2	1	
2	Dartford (Ww, pts. of)*†	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
124:1	Sunbury u	11055	11685	6	1	-	1	-	-	-	-	-	-	-	-	1	-	
2	Staines W-	13277	12089	5	7	4	2	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon WHH	6029	10602	9	11	-	7	-	-	-	-	-	1	-	-	-	5	
2	Uxbridge	6178	5225	1	4	-	3	-	-	-	-	-	-	-	-	-	-	
3	Hayes uHL	14587	11523	-	1	-	1	-	-	-	-	-	-	-	1	1	1	
126:1	Isleworth WHH	7008	22727	15	7	-	3	-	-	-	-	-	1	-	-	1	-	
2	Twickenham H-	2477	12479	16	2	-	-	-	-	-	-	-	-	-	1	2	-	
3	Brentford HL	4345	27649	17	7	1	4	-	1	-	-	-	-	-	-	1	-	
4	Chiswick	1340	15975	11	8	1	2	-	-	-	-	-	-	-	1	2	-	
5	Acton uH-	6083	22876	28	7	2	2	-	-	-	-	-	-	-	-	3	-	
127:1	Harrow H-	13809	12796	8	3	1	1	-	-	-	-	-	-	-	1	1	-	
2	Edgware H	6994	3749	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden	4383	27453	31	15	8	-	-	-	1	-	5	-	-	-	2	-	
4	Hendon W	8382	10494	9	7	-	2	-	-	-	-	-	-	1	-	-	2	
137:1	Bushey	9331	6621	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
2	Watford (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms	15189	6391	4	1	-	1	-	-	-	-	-	-	-	-	-	-	
2	Barnet	5438	10092	-	2	1	1	-	-	-	-	-	-	-	-	-	-	
3	Finchley HL	4638	17615	10	4	1	-	-	-	-	-	-	-	-	-	-	-	
135:1	Hatfield (part of)*	3806	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey H-	3039	37073	20	17	5	2	-	-	-	1	-	1	-	-	-	-	
2	Tottenham H	4642	46456	67	28	3	5	-	2	-	1	4	-	-	-	-	1	
3	Edmonton Ww	7453	23463	23	15	2	4	-	-	-	-	1	-	-	-	-	3	
4	Enfield WH	12653	19104	15	3	-	1	-	1	-	-	-	-	-	1	1	-	
5	Waltham Abbey	11017	5368	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
6	Chesham	8490	7735	6	6	4	-	-	1	-	-	-	-	-	-	-	-	
136:1	Stratford	892	38606	29	16	3	-	-	-	-	1	1	-	-	-	-	-	
2	West Ham uWHL	4055	20347	116	56	18	6	-	-	1	-	5	-	-	2	4	-	
3	East Ham uW	3296	10706	19	6	2	-	-	-	-	-	-	-	-	-	2	-	
4	Leyton WwL	4372	32480	46	38	6	11	-	1	1	-	3	-	-	1	2	12	
5	Walthamstow H	6390	28969	39	27	9	3	-	5	-	-	3	-	-	-	-	-	
137:1	Chigwell (part of)* H	11761	9689	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epping (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of)* W	6730	3411	11	2	1	-	-	-	-	-	-	-	-	-	-	1	
2	Ilford	5493	7645	3	3	1	1	-	-	-	1	-	-	-	-	-	-	
3	Barking Town	4127	9203	8	1	-	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 23:2, Epsom sub-district, except the parishes of Asenstead and Headley (pop. 1245); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 3751); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5). § Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchester Hill (see Table 5).

¶ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 12th April, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16		
ATER LONDON	448,334	5,758,500	18.5	2.1	2038	476	457	-	67	15	25	109	8	12	72	421		
INNER LONDON	77,410	4,421,661	19.1	2.1	1619	372	366	-	54	12	21	79	5	10	60	381		
UTER RING	370,924	1,336,839	16.3	2.1	419	104	91	-	13	3	4	30	3	2	12	40		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 60.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,220,308 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA	433,219	March 1	-	283	34.1	44	1	-	1	-	67	40†	
COCHIN	778,196	" 18	256	617	34.6	7	7	?	?	?	265	19	
COLOMBO	398,777	February 21	230	266	34.6	4	12	?	?	?	56	41†	
CEYLON	3,260,945	April 5	1151	1079	24.8	3	43	6	50*	9	10	82	
CHINA (8 Faubourgs.)	477,283	" 5	286	158	17.4	-	1	-	1	1	2	10	
AMSTERDAM	406,302	" 5	261	162	20.8	-	1	-	3	1	2	-	
AMSTERDAM	203,486	" 5	155	98	25.0	-	-	-	1	-	-	1	
LA HAYE	156,497	" 5	98	54	17.9	-	-	-	-	-	-	1	
COPENHAGEN	307,000	" 5	151	141	23.9	-	-	2	12	1	-	8	
STOCKHOLM	223,218	March 29	153	104	23.7	-	-	8	1	3	-	12	
CHRISTIANIA	143,300	April 5	38	68	24.7	-	-	-	4	2	-	3	
PETERSBURG	924,466	March 22	-	543	30.6	-	23	19	8	3	7	40	
BERLIN	1,526,887	" 22	905	639	21.7	1	6	8	25	16	-	45	
BRUSSELS (State)	575,276	" 29	431	283	25.7	-	-	2	12	5	3	22	
BRUSSELS	269,250	" 29	157	111	21.4	-	2	3	6	-	1	3	
BRATISLAVA	324,143	April 5	220	147	24.1	-	-	4	4*	4	-	15	
BRUSSELS	298,000	March 29	233	164	28.6	-	2	1	4*	-	-	18	
BRUSSELS	822,176	April 5	513	423	26.8	1	6	3	8	-	2	17	
BRUSSELS	314,425	March 29	-	177	29.4	1	12	3	2	3	1	3	
BRUSSELS	463,017	April 5	-	166	27.5	1	5	3	5	1	3	5	
BRUSSELS	160,092	March 29	327	307	34.5	-	4	3	12	1	2	32	
BRUSSELS	415,498	April 5	87	72	23.4	-	-	-	3*	-	-	-	
BRUSSELS	314,827	February 8	294	219	31.3	-	12	-	2	3	5†	2	
BRUSSELS (10 days)	156,515	" 15	261	255	32.0	-	12	-	7	2	12†	7	
BRUSSELS	374,838	March 20	228	236	27.4	2	5	-	4	2	1	16	
BRUSSELS	231,396	" 29	82	87	29.0	8	1	-	1	7	1	8	
BRUSSELS	374,838	" 20	373	309	43.0	-	-	-	-	2	14	77	
BRUSSELS	231,396	" 20	226	160	40.6	4	-	-	2*	-	11	34	
NEW YORK	1,595,547	" 22	-	772	25.2	-	11	12	28	10	5	7	
BROOKLYN	852,467	" 22	-	326	20.0	-	-	4	17	4	1	1	
PHILADELPHIA	1,064,277	" 22	-	446	21.9	-	7	2	8	2	14	3	
BALTIMORE	500,343	" 22	-	178	18.5	-	20	-	3	4	5	1	
NEW ORLEANS	254,000	" 15	-	164	33.7	-	-	-	1	-	5	4	

\* Including deaths from croup.

† Including 25 deaths from cholera in Calcutta, and 1 in Madras.

‡ Including 2 and 11 deaths respectively from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH during the Week ending Saturday, APRIL 12TH, 1890.  
[Under the Superintendence of the Astronomer R.]

1890.	MONTH AND DAY.	Phases of the Moon.	TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose receiving surface is 5 inches above the level of the Ground.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			HARGREAVES.	Of the Air.			Difference between the Air Temperature and Dew Point Temperature.		Degree of Radiation (Sahu equator 100°).	Of Radiation.		Of the Water at Deptford.		General Direction.		Oster's.		Pressure on the Square Foot.		Robinson's.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				Mean daily reading (corrected for refraction and reduced to 32° to Fahrenheit).	Low. est.	High. est.	Daily Range.	Mean value.		De- parture from average value.	Mean daily value.	Great. est.	Least. est.	High- est. in Sun's Rays.	Lowest in Grass.	High- est.	Low- est.			A.M.	P.M.	Great- est.	Least.	Mean of 24 hourly obs.	Horizontal Movement of the Air on each Day.	Vertical Movement of the Air on each Day.	Average of 16 Years.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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## GENERAL REMARKS.

DATE.		ELECTRICITY.		Registered Sunshine, Horizon, in hours.		Sunshine, Horizon, in hours.		Remarks.	
SUNDAY	6	..	W. P. generally	0.1	13.2	0.1	13.2	Generally overcast; occasional slight rain.	
MONDAY	7	..	W. N. and W. P. in morning; S. N. and W. P. afterwards.	2.8	13.3	2.8	13.3	Overcast in morning; variable afterwards. Showery.	
TUESDAY	8	..	W. P. in morning; S. N. till evening; W. P. at night.	6.8	13.4	6.8	13.4	Fine generally; a slight shower of rain with snow shortly before 11 p.m., and a heavy shower of rain between 5 p.m. and 6 p.m., with violent squall of wind.	
WEDNESDAY	9	..	W. P. generally	1.0	13.4	1.0	13.4	Generally cloudy.	
THURSDAY	10	..	V. N. and V. P.	0.0	13.5	0.0	13.5	Overcast with frequent slight rain till evening; variable afterwards.	
FRIDAY	11	..	V. P. generally	6.3	13.6	6.3	13.6	Fine; partially cloudy till evening; cloudless at night.	
SATURDAY	12	..	S. P. in morning; W. N. and W. P. afterwards.	4.4	13.6	4.4	13.6	Fine; cloudless in early morning; partially cloudy afterwards.	
MEANS	..	..	Sum 22.0	Sum 22.0	Sum 22.0	Sum 22.0	Sum 22.0		

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9 a.m.; noon; 3 p.m.; and 9 p.m. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1875 for the barometer, and of the twenty years ending 1885 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily value of the point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are +, P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 29.83 in. at the beginning of the week to 29.29 in. by 5 p.m. on the 11th; increased to 29.71 in. by noon on the 12th, and to 29.54 in. by 5 p.m. on the 12th.

OFFICIAL COPY.

WEEKLY RETURN  
OF  
BIRTHS AND DEATHS IN LONDON  
AND IN  
TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,  
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 16. 1890. VOL. LI.] WEEK ENDING SATURDAY, APRIL 19. [Price 1½d.

General Register Office, Somerset House,  
21st April, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·9 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.		Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.
Birkenhead	19·4	12·9	10·9	16·4	Liverpool -	22·3	24·1	21·4	23·8
Birmingham	22·4	20·9	18·2	20·8	London -	18·5	16·7	19·1	19·0
Blackburn -	27·9	24·1	28·3	16·0	Manchester -	31·9	28·6	31·5	30·0
Bolton -	19·4	23·9	28·8	34·7	Newcastle-on-Tyne -	28·8	27·8	24·0	28·8
Bradford -	24·9	20·6	22·5	22·5	Norwich -	26·2	19·7	21·9	20·8
Brighton -	28·7	16·4	18·1	19·8	Nottingham -	17·9	14·1	18·3	14·7
Bristol -	19·1	18·0	16·8	17·1	Oldham -	21·3	22·7	22·7	25·6
Cardiff -	20·9	22·7	15·6	16·0	Plymouth -	21·8	27·1	23·8	17·9
Derby -	21·7	20·2	24·8	26·4	Portsmouth -	20·8	16·8	15·3	17·1
Halifax -	23·5	19·1	30·5	28·0	Preston -	23·3	22·3	18·3	21·3
Huddersfield	20·5	10·5	20·5	18·8	Salford -	26·7	18·1	22·4	20·4
Hull -	23·7	19·3	21·5	20·2	Sheffield -	29·3	23·3	23·7	31·6
Leeds -	22·6	24·2	23·4	25·8	Sunderland -	21·8	24·4	19·9	20·6
Leicester -	22·6	15·5	15·9	10·8	Wolverhampton -	19·4	25·0	28·1	16·3

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·2 in Birmingham, 1·3 in Wolverhampton, 1·5 in Liverpool, and 6·2 in Derby; from *scarlet fever*, 1·0 in Manchester; from *whooping-cough*, 1·1 in Leeds, 1·3 in London, 1·8 in Bolton, 1·9 in Salford, 2·1 in Derby, 2·5 in Oldham, and 3·8 in Brighton; and from "*fever*," 1·1 in Norwich. The 36 deaths from *diphtheria* included 17 in London, 4 in Liverpool, 4 in Salford, and 2 in Manchester. No death from *small-pox* was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2735 BIRTHS and 1612 DEATHS were registered. Allowing for increase of population, the births were 85, and the deaths 100, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18·5, 16·7, and 19·1 in the three preceding weeks, was last week 19·0. During the first three weeks of the current quarter the death-rate averaged 18·3 per 1000, and was 2·4 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1612 deaths included 65 from *measles*, 13 from *scarlet fever*, 17 from *diphtheria*, 106 from *whooping-cough*, 8 from *enteric fever*, 11 from *diarrhœa* and *dysentery*, and not one from *small-pox*, *typhus*, ill-defined forms of *continued fever*,

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881: nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



or cholera; thus, 220 deaths were referred to these diseases, being 14 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 18. Six cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 45, 35, and 54 in the three preceding weeks, further rose last week to 65, and exceeded the corrected weekly average by 1; 4 belonged to Marylebone, 17 to Islington, 5 to Shoreditch, and 6 to Battersea sanitary areas. The 13 fatal cases of *scarlet fever* showed a slight further increase upon the low numbers in the two previous weeks, but were 8 below the corrected average; 2 belonged to Islington and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1107 scarlet fever patients at the end of the week, against 1083 and 1093 on the two preceding Saturdays; 83 cases were admitted to these hospitals during the week, against 86 and 88 in the two preceding weeks. The deaths from *diphtheria*, which had been 30, 20, and 21 in the three previous weeks, further declined last week to 17, but exceeded the corrected average by one; 2 belonged to Hackney and 2 to Lambeth sanitary areas. The 106 fatal cases of *whooping-cough* showed an increase upon recent weekly numbers, and exceeded the corrected weekly average by 20; 7 belonged to Islington, 9 to Hackney, 5 to Shoreditch, 4 to St. George-in-the-East, 4 to Stepney, 6 to Mile End Old Town, 5 to Poplar, 9 to Battersea, and 6 to Wandsworth sanitary areas. The 11 deaths attributed to *diarrhoea* and *dysentery*, including 7 of infants aged under one year, were 5 below the corrected average.

The deaths referred to *enteric fever*, which had been but 2 and 4 in the two preceding weeks, rose last week to 8, which were, however, 3 below the corrected average; 5 belonged to the South group of sanitary areas. The Metropolitan Asylum Hospitals contained 72 cases of enteric fever, and one of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 4 in each of the two previous weeks.

The deaths primarily attributed to *influenza* which had declined in the four preceding weeks, from 17 to 7, were last week 9, of which 4 occurred in the West group of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 375, 296, and 384 in the three preceding weeks, were last week 380 and one below the corrected average.

Different forms of violence caused 41 deaths, concerning all but 2 of which inquests were held. Of these 41 deaths, 2 were cases of suicide, while the remaining 39 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 7 by burns or scalds, 2 (including one due to eating mouse-poison in mistake for sweets) by poison, 7 by drowning, and 8 (including 5 of infants aged under one year) by suffocation.

The death of the widow of a tailor occurred in the Woolwich Workhouse Infirmary on the 13th instant, whose age was stated to be 101 years; the death was the subject of an inquest, the verdict being "senile decay; death accelerated" by shock through accidentally falling out of bed on the 1st instant."

#### GREATER LONDON.

In Greater London 3650 births and 2066 deaths were registered, corresponding to annual rates of 33.1 and 18.7 per 1000 of the estimated population. In the Outer Ring 13 deaths from whooping-cough, 9 from measles, and 8 from diphtheria, were registered. The fatal cases of whooping-cough included 3 in Croydon, 3 in West Ham, and 3 in Walthamstow sub-districts. Measles caused 4 deaths in Tottenham and 3 in Croydon sub-districts; and 2 of the 8 deaths from diphtheria occurred in Hornsey sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.38 ins.; the lowest reading was 29.18 ins. on Tuesday afternoon, and the highest 29.88 ins. at the end of the week. The mean temperature of the *air* was 46°.1, and 1°.5 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Tuesday and Wednesday, whereas it was below the average during the rest of the week. The general direction of the *wind* was North-easterly, and the horizontal movement of the air averaged 14.9 miles per hour, which was 3.3 miles above the average in the corresponding weeks of 16 years. *Rain* fell on five days of the week, to the aggregate amount of 0.38 of an inch. The duration of registered bright sunshine in the week was 27.0 hours, against 29.7 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 19th April 1890.

CITIES AND BOROUGHES.	POPULATION estimated to the middle of the Year 1890.*	Registered during the Week ending 19th Apr., 1890.		The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGHES.				
		BIRTHS.	DEATHS.	Deaths of		Deaths from							Inquest Cases.	Deaths in Public Institutions.	Annual Rate per 1000, corresponding to the Week's Deaths		Highest.	Lowest.	Mean.	In Cent.		In Inches.			
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Miscellaneous.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Dysentery.			Violence.										
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.
28 TOWNS	9,715,559	6174	3892	820	927	-	116	43	36	176	22	27	100	209	640	76	20.9	2.3	61.2	29.5	43.0	6.11	0.38	0.97	- 28 TOWNS.
LONDON	4,421,661	2785	1612	256	370	-	65	13	17	106	8	11	41	105	338	18	19.0	2.6	60.0	31.1	46.1	7.83	0.38	0.97	LONDON.
BRIGHTON	123,850	74	47	13	14	-	-	-	-	9	-	2	1	1	6	1	19.8	4.6	60.3	36.0	45.9	7.72	0.81	2.06	BRIGHTON.
PORTSMOUTH	142,982	106	47	14	10	-	-	-	-	1	-	1	1	1	6	1	17.1	0.7	-	-	-	-	-	-	PORTSMOUTH.
NORWICH	95,352	68	38	12	10	-	-	-	1	1	2	-	-	2	5	1	20.8	2.7	-	-	-	-	-	-	NORWICH.
PLYMOUTH	78,780	44	27	5	10	-	-	-	1	1	-	-	1	2	4	12	17.1	1.3	61.2	38.5	48.3	9.06	0.75	1.90	PLYMOUTH.
BRISTOL	282,248	142	76	19	17	-	1	1	-	4	-	1	2	4	12	2	17.1	1.6	60.2	29.5	44.4	6.89	0.69	1.75	BRISTOL.
WOLVERHAMPTON	83,406	58	26	2	7	-	2	-	-	-	-	-	-	3	-	5	16.3	1.3	54.2	32.9	41.7	5.39	0.21	0.83	WOLVERHAMPTON.
BIRMINGHAM	461,865	267	184	41	39	-	11	4	-	3	-	4	4	6	31	5	20.8	2.5	-	-	-	-	-	-	BIRMINGHAM.
LEICESTER	154,344	87	32	6	5	-	-	1	-	2	-	-	-	2	4	1	10.8	1.0	-	-	-	-	-	-	LEICESTER.
NOTTINGHAM	244,969	108	69	13	20	-	-	-	1	1	1	-	1	2	6	1	14.7	0.4	51.8	35.1	41.7	5.39	0.19	0.48	NOTTINGHAM.
DEEY	160,871	45	51	12	9	-	12	-	-	4	1	-	-	1	8	-	16.4	1.0	-	-	-	-	-	-	DEEY.
BIRKENHEAD	105,049	57	33	8	11	-	-	-	-	1	1	-	-	-	4	-	16.4	1.0	-	-	-	-	-	-	BIRKENHEAD.
LIVERPOOL	613,463	354	280	62	48	-	18	7	4	3	1	2	10	12	45	18	23.8	3.0	54.5	37.0	43.2	6.22	0.16	0.41	LIVERPOOL.
ROLTON	115,846	91	77	16	19	-	-	1	1	4	1	-	-	1	3	3	34.7	3.2	-	-	-	-	-	-	ROLTON.
MANCHESTER	579,457	311	118	35	50	-	2	7	2	5	1	2	6	10	48	4	30.0	2.6	-	-	-	-	-	-	MANCHESTER.
SALFORD	242,569	167	95	17	25	-	-	1	4	9	1	-	3	3	12	4	20.4	3.2	-	-	-	-	-	-	SALFORD.
OLDHAM	146,716	89	72	13	15	-	-	-	1	7	-	-	3	5	10	3	25.6	2.8	-	-	-	-	-	-	OLDHAM.
BLACKBURN	123,553	85	38	9	11	-	-	-	-	1	-	1	-	6	-	-	16.0	0.8	-	-	-	-	-	-	BLACKBURN.
PRESTON	105,163	82	43	12	6	-	-	-	-	-	-	1	1	1	3	-	21.3	0.5	-	-	-	-	-	-	PRESTON.
HUDDERSFIELD	54,253	49	34	8	9	-	-	-	-	-	-	-	-	3	1	-	18.8	0.0	-	-	-	-	-	-	HUDDERSFIELD.
HALIFAX	12,034	48	44	7	13	-	-	1	1	-	-	-	-	1	5	-	28.0	1.3	-	-	-	-	-	-	HALIFAX.
BRADFORD	240,515	126	104	20	33	-	-	-	-	2	1	-	1	2	9	-	22.5	0.7	48.9	33.6	39.7	4.28	0.30	0.76	BRADFORD.
LEEDS	568,799	264	180	42	44	-	-	2	-	8	-	1	8	13	10	-	25.8	1.6	-	-	-	-	-	-	LEEDS.
SHEFFIELD	332,837	235	202	41	48	-	5	3	1	2	1	-	6	6	24	9	31.6	1.9	-	-	-	-	-	-	SHEFFIELD.
HULL	213,833	149	83	13	32	-	-	-	-	-	-	-	2	4	6	2	20.2	0.2	48.0	32.0	39.7	4.28	0.02	0.05	HULL.
SUNDERLAND	156,606	98	54	11	17	-	-	-	-	-	-	1	1	2	6	5	20.6	0.4	-	-	-	-	-	-	SUNDERLAND.
NEWCASTLE	162,987	137	90	15	25	-	-	-	1	2	1	-	5	11	15	-	28.8	1.3	45.0	32.0	38.8	3.78	0.27	0.69	NEWCASTLE.
CARDIFF	117,012	88	36	8	10	-	-	-	1	1	1	-	2	3	7	1	16.0	1.3	-	-	-	-	-	-	CARDIFF.
EDINBURGH	271,185	152	125	22	35	-	8	1	1	6	-	3	4	9	25	22	24.0	3.7	52.4	27.8	40.4	4.67	0.05	0.13	EDINBURGH.
GLASGOW	530,493	448	304	62	48	-	21	3	-	13	2	6	6	9	38	36	29.9	4.4	-	-	-	-	-	-	GLASGOW.
DUBLIN	335,082	179	179	26	44	-	1	-	-	2	2	-	5	4	66	21	26.5	0.7	52.5	38.7	45.0	7.22	0.48	1.22	DUBLIN.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the SIXTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2616	2397	2683	3007	2568	2541	2505	2879	2579	2488	2820.3	2735
Males . .	1334	1227	1357	1329	1310	1292	1257	1490	1289	1301	1437.9	1358
Females .	1282	1170	1326	1278	1258	1249	1248	1389	1290	1187	1382.4	1377
<b>TOTAL Deaths</b>	1417	1600	1573	1755	1649	1743	1460	1529	1551	1426	1712.4	1612
Males . .	730	829	806	907	860	889	748	798	792	708	879.7	816
Females .	687	771	767	848	789	854	712	731	759	718	832.7	796

\* The numbers in this column are the average weekly numbers in the sixteenth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

		Jan. 25.	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	
<b>TOTAL Births</b>	- -	2510	2699	2707	2793	2702	2561	2536	2717	2534	2543	2329	2360	2735	
<b>TOTAL Deaths</b>	- -	2227	1849	1749	1809	1847	1802	1889	1771	1637	1571	1419	1619	1612	
<b>Ages at Death</b>	{ 0-20 years	-	775	703	714	763	753	739	798	776	729	743	657	774	783
	{ 20-40 "	-	349	282	238	218	256	234	226	196	193	204	183	204	177
	{ 40-60 "	-	510	369	334	357	363	324	318	303	296	264	239	275	282
	{ 60-80 "	-	503	390	363	390	374	418	428	404	342	309	285	303	291
	{ 80 years & upwards	-	90	105	100	81	101	87	89	92	77	51	55	58	79
"	{ Under 1 year	-	386	350	372	352	393	367	394	392	381	366	310	372	356
	{ 1-5 "	-	294	250	254	306	259	263	294	271	270	304	253	298	323
	{ 5-20 "	-	95	103	88	105	101	109	110	113	78	73	94	104	104
<b>Deaths from Small-pox</b>		-	-	-	-	1	-	-	-	-	-	-	-	-	
"	" Measles	-	21	11	8	21	14	19	35	35	45	45	35	54	65
"	" Scarlet fever	-	10	14	19	14	13	14	12	18	11	10	8	12	13
"	" Diphtheria	-	22	24	24	39	27	24	19	25	23	30	20	21	17
"	" Whooping-cough	-	82	67	91	115	103	97	65	86	76	101	84	79	106
"	" Typhus	-	1	-	-	-	-	-	-	-	-	-	-	1	-
"	" Enteric fever	-	10	9	2	12	8	7	4	3	7	7	2	4	8
"	" Simple Cont. fever	-	-	-	-	1	1	1	1	1	-	1	1	-	-
"	" Diarrhoea and Dysentery	-	14	9	4	6	21	12	9	14	14	13	10	10	11
"	" Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	" all the above-mentioned Diseases	-	160	134	148	203	188	174	175	182	176	207	160	181	220
"	" Dis. of Respiratory System	-	736	550	485	439	452	492	510	447	381	375	296	384	380
"	" Phthisis	-	239	220	209	215	213	224	206	164	169	154	180	174	189
"	" Dis. of Circulatory System	-	193	116	154	143	162	146	163	145	148	120	114	151	133
<b>Violent Deaths</b>		-	60	62	58	56	77	52	65	76	49	61	36	60	41
<b>Inquest Cases</b>		-	142	127	125	137	143	134	120	162	115	117	85	133	105
<b>Deaths in Public Institutions</b>		-	491	471	401	436	434	425	406	390	406	377	362	332	333
<b>TEMPERATURE OF THE AIR</b>															
Mean		-	42.7	42.9	37.1	35.9	39.4	35.4	36.4	45.3	43.3	49.0	43.8	43.2	46.1
Mean of Highest readings		-	48.4	48.3	42.7	41.7	43.9	42.0	43.6	54.0	52.0	57.3	54.9	52.0	53.8
Mean of Lowest readings		-	36.9	38.2	32.0	30.8	35.9	30.4	29.0	37.6	36.0	42.6	33.1	37.0	39.9
<b>Humidity of the Air</b>		-	84	50	89	87	89	87	69	79	82	84	72	72	81
<b>Rain-fall in inches</b>		-	0.77	0.73	0.05	0.88	0.04	0.22	0.33	0.24	0.81	0.41	0.00	0.29	0.38
<b>Registered Sunshine (in hours)</b>		-	14.9	8.9	9.5	31.2	12.4	9.7	12.1	28.1	21.5	14.6	59.8	22.0	27.0

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the SIXTEENTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 16th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 19th April 1890.									CAUSES OF DEATH.	Corrected Averages for the 16th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 19th April 1890.										
		Deaths of Persons of the Ages											Deaths of Persons of the Ages										
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.					80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.			80 Years and upwards.
			0-1.	1-5.	5-20.			0-1.	1-5.	5-20.					0-1.	1-5.	5-20.						
ALL CAUSES - -	1712'4	1612	356	323	104	177	282	291	79		Diseases of Organs of Special Sense † - -	3'6	-	-	-	-	-	-	-	-			
Small-pox { Vaccinated† - -	17'6 {	-	-	-	-	-	-	-	-		Diseases of Circulatory System - -	122'8	133	-	1	8	16	37	59	12			
Unvaccinated - -		-	-	-	-	-	-	-	-	-		Croup - - - - -	13'1	6	-	5	1	-	-	-	-		
No Statement - -		-	-	-	-	-	-	-	-		Bronchitis - - - -	215'8	214	63	47	2	3	34	50	15			
Measles - - - -	64'0	65	13	45	7	-	-	-	-		Pneumonia - - - -	110'9	129	26	43	7	9	21	18	5			
Scarlet Fever - -	21'4	13	-	9	4	-	-	-	-		Pleurisy - - - - -	7'7	4	-	-	2	-	-	-	-			
Typhus - - - - -	0'4	-	-	-	-	-	-	-	-		Other Diseases of Respiratory System - -	32'9	27	7	2	2	2	9	5	-			
Relapsing Fever † -	0'0	-	-	-	-	-	-	-	-		Dentition † - - - -	18'1	13	7	6	-	-	-	-	-			
Influenza - - - -	0'1	9	-	1	2	1	1	3	1		Quincy, Sore Throat † -	2'7	5	-	1	1	-	-	2	1			
Whooping-cough - -	85'5	106	29	72	5	-	-	-	-		Enteritis - - - - -	7'1	6	3	1	1	-	-	-	-			
Diphtheria - - - -	16'1	17	-	10	6	1	-	-	-		Peritonitis - - - - -	6'8	5	-	-	2	2	1	-	-			
Simple Continued and Ill-defined Fever - }	1'6	-	-	-	-	-	-	-	-		Diseases of Liver - - -	32'4	32	2	-	1	-	18	8	3			
Enteric Fever - - -	11'0	8	-	1	5	1	1	-	-		Other Diseases of Digestive System - -	29'6	21	5	1	1	7	3	4	-			
Cholera - - - - -	0'2	-	-	-	-	-	-	-	-		Diseases of Lymphatic System & of Ductless Glands † - - -	2'0	4	-	1	-	1	1	-	1			
Diarrhoea, Dysentery -	15'7	11	7	2	1	-	1	-	-		Diseases of Urinary System - - - -	42'0	43	1	1	2	6	14	18	1			
Remittent Fever† - -	0'4	-	-	-	-	-	-	-	-		Diseases of Generative System - - -	6'5	5	1	1	-	3	-	-	-			
Hydrophobia - - -	0'2	-	-	-	-	-	-	-	-		Accidents of Childbirth -	3'7	2	-	-	-	2	-	-	-			
Glanders - - - - -	0'0	-	-	-	-	-	-	-	-		Diseases of Locomotive System † - -	5'9	8	-	1	5	1	-	1	-			
Cowpox and Effects of Vaccination † - }	0'5	-	-	-	-	-	-	-	-		Diseases of Integumentary System - - -	7'0	7	4	-	-	-	-	3	-			
Veneral Affections -	8'6	9	4	1	-	1	3	-	-		VIOLENT DEATHS.‡												
Erysipelas - - - -	6'1	5	1	-	-	2	-	1	1		(ACCIDENT.)												
Pæmia and Septicæmia †	4'4	3	1	-	1	-	1	-	-		Fracture and Contusion -	22'1	13	-	2	3	2	2	3	-			
Puerperal Fever - - -	6'7	3	-	-	-	3	-	-	-		Gunshot Wound - - - -	0'0	-	-	-	-	-	-	-	-			
Other Zymotic Diseases †	1'7	1	-	1	-	-	-	-	-		Cut, Stab - - - - -	0'3	-	-	-	-	-	-	-	-			
Thrush - - - - -	1'4	1	1	-	-	-	-	-	-		Burn and Scald - - - -	6'8	7	-	2	2	-	1	2	-			
Worms and other Parasitical Diseases - }	0'3	-	-	-	-	-	-	-	-		Poison - - - - -	1'6	2	-	1	-	1	-	-	-			
Starvation, Want of Breast-milk † - }	2'8	-	-	-	-	-	-	-	-		Drowning - - - - -	4'6	7	-	-	-	4	3	-	-			
Alcoholism - - - -	4'9	5	-	-	-	1	4	-	-		Suffocation - - - - -	14'2	8	5	1	-	2	-	-	-			
Rheumatic Fever, Rheumatism of Heart† }	7'0	7	-	-	2	3	1	1	-		Otherwise - - - - -	2'6	2	2	-	-	-	-	-	-			
Rheumatism † - - -	2'5	-	-	-	-	-	-	-	-		(HOMICIDE.)												
Gout - - - - -	2'8	3	-	-	-	-	-	3	-		Murder & Manslaughter -	1'5	-	-	-	-	-	-	-	-			
Rickets † - - - - -	4'2	7	5	2	-	-	-	-	-		(SUICIDE.)												
Cancer - - - - -	53'4	52	-	-	-	5	23	22	2		Gunshot Wound - - - -	1'0	-	-	-	-	-	-	-	-			
Tabes Mesenterica - -	25'3	22	14	5	2	1	-	-	-		Cut, Stab - - - - -	2'1	-	-	-	-	-	-	-	-			
Tubercular Meningitis -	32'5	28	8	17	2	1	-	-	-		Poison - - - - -	2'2	2	-	-	-	1	1	-	-			
Phthisis - - - - -	173'3	189	1	6	17	76	71	18	-		Drowning - - - - -	1'3	-	-	-	-	-	-	-	-			
Scrophula, Tuberculosis -	18'4	19	4	9	2	3	1	-	-		Hanging - - - - -	2'4	-	-	-	-	-	-	-	-			
Other Constitutional Diseases † - }	12'2	6	-	-	1	-	1	4	-		Otherwise - - - - -	0'8	-	-	-	-	-	-	-	-			
Premature Birth - - -	37'6	40	40	-	-	-	-	-	-		(EXECUTION.)												
Atelectasis † - - -	3'0	2	2	-	-	-	-	-	-		Hanging - - - - -	0'0	-	-	-	-	-	-	-	-			
Congenital Malformations - }	8'3	4	4	-	-	-	-	-	-		OTHER CAUSES † - - -	57'4	43	38	1	1	1	2	-	-			
Old Age - - - - -	57'8	52	-	-	-	-	-	22	30														
Apoplexy - - - - -	45'8	34	1	-	-	1	11	21	-														
Epilepsy - - - - -	8'5	9	-	-	-	2	3	4	-														
Convulsions - - - -	54'9	49	49	9	-	-	-	-	-														
Other Diseases of Brain and Nervous System }	100'6	85	17	15	8	11	11	17	6														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'048 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enum- rated Popu- lation. 1881.	Total Births.	Total Deaths.	Deaths of Infants under 1 Year of Age.	Persons aged 15 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes.
LONDON		3,815,704	2735	1612	356	370	-	65	13	17	106	-	8	-	11	41	105	338	18
West Districts		669,838	416	288	60	78	-	7	2	1	17	-	1	-	1	8	21	89	3
North Districts		905,847	582	371	81	89	-	27	3	7	20	-	1	-	2	4	15	66	-
Central Districts		282,238	145	108	22	15	-	6	1	1	8	-	-	-	2	1	4	29	-
East Districts		692,738	671	292	69	48	-	8	2	3	28	-	1	-	5	9	31	65	2
South Districts		1,265,148	1021	552	124	140	-	17	4	5	33	-	5	-	1	19	34	97	13
Metropolitan Asylum Hos- pitals Outside Registration London		-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
West Districts.																			
St. Mary Paddington WHH G.J. & W.M.		69888	52	24	4	12	-	2	-	-	-	-	-	-	-	-	-	4	-
St. John Paddington H - - G.J.		37890	9	16	1	3	-	-	-	1	1	-	-	-	-	1	2	4	-
Kensington Town WH - - W.M.		120141	71	50	9	18	-	-	-	-	4	-	-	-	-	-	3	20	-
Brompton H - - W.M. & C.		43013	17	13	5	4	-	1	-	-	1	-	-	-	-	-	1	1	1
St. Peter Hammersmith - - W.M.		7599	7	3	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
St. Paul Hammersmith H W.M. & G.J.		64340	27	23	10	1	-	-	-	-	-	-	-	-	-	1	3	2	-
Fulham WH - - W.M. & C.		42900	68	38	10	10	-	1	1	-	1	-	1	-	1	3	5	11	-
Chelsea South HHH - - C.		30896	17	13	4	2	-	-	1	-	1	-	-	-	-	1	1	5	-
Chelsea North-west WHHHH - - C.		24925	15	18	-	5	-	-	-	-	1	-	-	-	-	-	1	12	-
Chelsea North-east - - C.		32807	22	14	3	4	-	-	-	-	1	-	-	-	-	-	1	-	-
May Fair WW - - G.J.		30853	8	12	-	4	-	-	-	-	1	-	-	-	-	-	-	6	-
Belgrave WHH - - C.		53920	23	24	7	3	-	12	-	-	1	-	-	-	1	2	5	1	-
St. John Westminster HHH - - C.		35423	15	14	2	4	-	-	-	2	-	-	-	-	-	1	1	1	-
St. Margaret Westminster H - - C.		24879	6	9	1	1	-	-	-	1	1	-	-	-	-	-	-	4	1
St. James Westminster WHH N.R. & G.J.		20941	14	12	-	7	-	1	-	-	1	-	-	-	-	-	-	4	-
St. Anne Soho HHHHHH - - N.R.		18698	5	5	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-
North Districts.																			
All Souls Marylebone HHHHH W.M.		26759	13	9	1	3	-	-	-	-	-	-	-	-	-	-	1	2	-
Cavendish Square HHHH - - W.M.		14321	6	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone WH G.J. & W.M.		24309	14	4	1	-	-	-	-	-	2	-	-	-	-	-	-	1	-
St. Mary Marylebone HHH G.J. & W.M.		21118	31	7	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone HH - - W.M.		33700	20	11	2	2	-	3	-	1	1	-	-	-	-	-	1	-	-
St. John Marylebone H - - W.M.		33693	17	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampstead WHHHH N.R. & W.M.		45452	29	21	6	5	-	1	-	-	-	-	-	-	-	-	2	2	1
Regent's Park Pancras H - - W.M.		89115	17	18	7	5	-	-	-	-	-	-	-	-	1	-	-	-	-
Tottenham-court WHHHH N.R. & W.M.		27729	12	18	4	3	-	-	-	-	-	-	-	-	-	-	-	12	1
Gray's Inn Lane HHH - - N.R.		30347	13	18	2	7	-	2	-	-	1	-	-	-	-	-	-	2	-
Somers Town H - - N.R.		84369	26	9	3	1	-	-	-	-	-	-	-	-	-	-	-	2	-
Camden Town WH - - N.R.		17311	15	10	1	3	-	-	-	-	-	-	-	-	-	1	1	3	-
Kentish Town W - - N.R.		87487	51	24	5	5	-	1	-	1	-	-	-	-	-	-	-	5	-
Upper Holloway WHH - - N.R.		67946	50	38	5	18	-	-	1	-	-	-	-	-	-	1	1	18	-
Islington South-west HH - - N.R.		100976	70	52	14	6	-	9	-	1	5	-	-	-	-	1	3	-	-
Islington South-east - - N.R.		61835	44	25	8	5	-	2	-	-	1	-	-	-	1	-	2	-	-
Highbury H - - N.R.		52048	24	21	4	5	-	6	1	-	1	-	1	-	-	3	1	-	-
Stoke Newington H - - N.R.		22781	8	5	3	1	-	1	-	-	1	-	-	-	-	-	-	-	-
Stamford Hill - - E.L.		9277	10	3	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - - N.R.		37610	24	15	4	1	-	1	-	-	2	-	-	-	-	-	-	-	-
Hackney WHHHH - - E.L. & N.R.		76911	65	40	4	11	-	-	-	4	-	-	-	-	-	-	-	13	-
South Hackney - - E.L.		39883	23	18	1	4	-	-	-	-	1	-	-	-	-	-	-	-	-
Central Districts.																			
St. George Bloomsbury - - N.R.		16681	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH - - N.R.		14864	5	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles North - - N.R.		13837	6	5	1	2	-	-	-	-	1	-	-	-	-	-	-	1	-
St. Martin-in-the-Fields HHN R. & C.		17508	4	9	2	1	-	2	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand H - - N.R.		7515	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	-
St. Clement Danes H - - N.R.		8559	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strand Union Workhouse, Edmonton w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Geo. the Martyr HHHHHH N.R.		18671	16	15	2	4	-	1	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Eastern W - - N.R.		10706	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	7	-
Saffron Hill H - - N.R.		6593	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - N.R.		17516	5	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - - N.R.		19281	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentonville - - N.R.		14773	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goswell-street - - N.R.		17506	16	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Old-street H - - N.R.		11541	13	3	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
City-road HHL - - N.R.		18628	17	9	1	1	-	-	-	-	2	-	-	-	-	-	-	1	-
Whitecross-street - - N.R.		9217	10	4	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Finsbury - - N.R.		7493	-	4	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham; w.		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - - N.R. & E.L.		11174	10	6	1	2	-	-	-	-	1	-	-	-	-	-	-	1	-
Cripplegate - - N.R.		7193	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - N.R.		6358	2	17	3	1	-	1	-	1	-	-	-	-	-	-	-	14	-
St. Bride W - - N.R.		8396	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking - - N.R.		13666	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - - N.R.		5652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; P—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishments receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
 day, 19th April, 1890.

		The DEATHS registered in the Week include																	
REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of												Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple epi- demical fever.	Dysentery.	Violence.			
EAST DISTRICTS.																			
Ditch South†	HL*	N.R.	22348	25	8	3	1	1	1	1	1	1	1	1	1	1	1		
on New Town	w	N.R.	24987	12	3	1	1	1	1	1	1	1	1	1	1	1	1		
on Old Town		N.R.	28098	15	14	1	1	1	1	1	1	1	1	1	1	1	1		
erston	WH	N.R. & E.L.	46275	31	28	6	1	3	1	1	1	1	1	1	1	1	1		
al Green North	H	E.L.	51157	46	22	4	8	1	1	1	1	1	1	1	1	1	1		
al Green South		E.L.	34389	40	7	2	1	1	1	1	1	1	1	1	1	1	1		
al Green East	WHL*	E.L.	41405	32	22	6	4	1	1	1	1	1	1	1	1	1	1		
Fields		E.L. & N.R.	22585	50	3	1	1	1	1	1	1	1	1	1	1	1	1		
End New Town	W	E.L.	15473	23	15	5	2	1	1	1	1	1	1	1	1	1	1		
ichael Church	H	E.L. & N.R.	17490	17	19	6	2	1	1	1	1	1	1	1	1	1	1		
man's Fields		E.L.	9713	4	2	1	1	1	1	1	1	1	1	1	1	1	1		
ate		N.R. & E.L.	6102	3	3	1	1	1	1	1	1	1	1	1	1	1	1		
George's North		E.L.	58747	40	12	4	1	1	1	1	1	1	1	1	1	1	1		
ohn, St. George East	W	E.L.	8410	5	5	4	3	1	1	1	1	1	1	1	1	1	1		
Well	H	E.L. & N.R.	10395	3	6	1	1	1	1	1	1	1	1	1	1	1	1		
ff		E.L.	16107	7	8	2	1	1	1	1	1	1	1	1	1	1	1		
house		E.L.	32041	15	11	6	1	1	1	1	1	1	1	1	1	1	1		
End Old Town West	H	E.L.	37960	85	9	1	1	1	1	1	1	1	1	1	1	1	1		
End Old Town East	WwH	E.L.	67653	57	21	3	2	1	1	1	1	1	1	1	1	1	1		
L*		E.L.	37074	29	16	3	3	1	1	1	1	1	1	1	1	1	1		
r. wwhH		E.L.	64359	60	25	3	8	1	1	1	1	1	1	1	1	1	1		
r. WWH		E.L.	55077	36	24	8	2	1	1	1	1	1	1	1	1	1	1		
SOUTH DISTRICTS.																			
ch Church Southwark	WH	L. & S.	13663	12	2	1	1	1	1	1	1	1	1	1	1	1	1		
aviour Southwark		S.	14999	5	9	1	1	1	1	1	1	1	1	1	1	1	1		
oad		S. & L.	21381	17	5	3	1	1	1	1	1	1	1	1	1	1	1		
igh-road	WH	S. & L.	16953	16	8	3	1	1	1	1	1	1	1	1	1	1	1		
on-road	HL	L. & S.	21319	20	10	4	2	1	1	1	1	1	1	1	1	1	1		
ington 1st		S. & L.	29572	14	8	2	2	1	1	1	1	1	1	1	1	1	1		
eter Walworth	W	S. & L.	59555	44	29	10	8	1	1	1	1	1	1	1	1	1	1		
ary Newington		L. & S.	21623	22	7	2	2	1	1	1	1	1	1	1	1	1	1		
ave	WH	S.	11958	8	17	3	2	1	1	1	1	1	1	1	1	1	1		
er Market		S. & L.	16300	18	4	1	1	1	1	1	1	1	1	1	1	1	1		
ary Magdalen	W	S.	16699	9	1	6	9	1	1	1	1	1	1	1	1	1	1		
ames Chambersey		S.	54632	31	14	2	3	2	2	2	2	2	2	2	2	2	2		
arthe	WH	S. & K.	36024	25	21	4	5	1	1	1	1	1	1	1	1	1	1		
loo-road 1st	H	L. & S.	15195	7	5	3	1	1	1	1	1	1	1	1	1	1	1		
loo-road 2nd	H	L. & S.	16351	22	6	2	3	1	1	1	1	1	1	1	1	1	1		
eth Church 1st	H	L. & S.	19876	7	19	2	3	1	1	1	1	1	1	1	1	1	1		
eth Church 2nd	WW	L. & S.	39859	39	28	6	12	1	1	1	1	1	1	1	1	1	1		
ington 2nd		S. & L.	43232	33	17	4	5	1	1	1	1	1	1	1	1	1	1		
on	Ww	L. & S.	35832	17	19	2	5	1	1	1	1	1	1	1	1	1	1		
on	Ww	L. & S.	62387	41	27	6	7	1	1	1	1	1	1	1	1	1	1		
on	W.	L.	16017	14	2	1	2	1	1	1	1	1	1	1	1	1	1		
Battersea		S.	54675	56	24	9	5	2	4	1	2	2	2	2	2	2	2		
Battersea	WwH	S.	52537	59	39	10	7	1	4	1	2	2	2	2	2	2	2		
am	H	S.	36360	31	12	4	1	1	1	1	1	1	1	1	1	1	1		
aworth	WHL	S.	28004	18	15	5	1	1	2	2	2	2	2	2	2	2	2		
y		S.	13235	6	8	2	1	1	1	1	1	1	1	1	1	1	1		
ham		L.	25553	23	7	4	1	1	1	1	1	1	1	1	1	1	1		
ch		L. & S.	5590	2	2	1	1	1	1	1	1	1	1	1	1	1	1		
erwell	WwL*	S. & L.	59104	49	36	9	10	1	1	1	1	1	1	1	1	1	1		
ham	W	S. & K.	71089	52	23	7	2	1	1	1	1	1	1	1	1	1	1		
George Camberwell		L. & S.	50810	54	15	4	4	1	1	1	1	1	1	1	1	1	1		
aul Deptford	Ww	K.	76752	83	29	8	8	2	2	3	1	1	1	1	1	1	1		
nicholas Deptford		K.	7901	6	1	1	1	1	1	1	1	1	1	1	1	1	1		
wich West	H	K.	21972	10	8	1	8	1	1	1	1	1	1	1	1	1	1		
wich East	WHH	K.	24608	22	16	2	6	1	1	1	1	1	1	1	1	1	1		
m	H	K.	6048	3	3	1	1	1	1	1	1	1	1	1	1	1	1		
H		K.	21559	5	5	2	1	1	1	1	1	1	1	1	1	1	1		
ham	WH	K.	19865	21	3	2	1	1	1	1	1	1	1	1	1	1	1		
ham	H	L.	26076	10	7	2	1	1	1	1	1	1	1	1	1	1	1		
on	HH	K.	10930	7	8	1	2	1	1	1	1	1	1	1	1	1	1		
rich Dockyard		K.	17617	15	5	2	1	1	1	1	1	1	1	1	1	1	1		
rich Arsenal	HH	K.	19144	19	7	1	1	1	1	1	1	1	1	1	1	1	1		
stead, West	H	K.	14009	11	8	1	2	1	1	1	1	1	1	1	1	1	1		
stead, East	W	K.	19241	20	10	1	3	1	1	1	1	1	1	1	1	1	1		
Metropolitan Asylum Hospitals:																			
artford	w																		
inchmore Hill	w																		

Following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page) :—

Police Infirmary in Kensington Town sub-district.	Stepney Workhouse in Bromley sub-district.
London Lock Hospital in Tottenham Court sub-district.	Poplar & Stepney Sick Asylum "
Urban Infirmary in Upper Holloway sub-district.	Westminster Union Industrial School in West Battersea sub-district.
London City Workhouse " Hackney sub-district.	St. Saviour's Infirmary in Camberwell sub-district.
Urban " " Hoxton New Town sub-district.	Metropolitan Asylum District Hospital in Finsbury, Hampstead, Hack-
Infirmary " " Mile End Old Town Eastern sub-dist.	ney, Brixton, and St. Paul, Stepford sub-districts, and in Dartford
Infirmary " " Mile End East sub-district.	and Edmonton sub-districts outside Registration London.
Infirmary " " " and Bromley sub-district.	Strand and Holborn Workhouses outside Registration London.
	Shoreditch, were united under the name of Shoreditch South.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS AND DEATHS registered during Week ending Saturday, 19th April, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,957	915	454	103	136	-	9	-	8	13	1	5	13	27	57	
80:1	Carshalton <i>wL</i> -	12228	21118	10	15	-	5	-	-	-	-	-	-	-	-	-	12	
2	Epsom (part of)* <i>WwH</i>	9971	10710	4	1	-	1	-	-	-	-	-	-	-	-	-	-	
37:1	Godstone (part of)* -	2754	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i> -	20851	101241	64	41	5	2	-	3	-	-	3	-	-	1	2	8	
2	Mitcham <i>w†</i> -	11697	17932	16	11	4	2	-	1	-	-	-	-	1	-	1	-	
39:1	Wimbledon <i>HHH</i> -	3220	16950	10	6	2	2	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	8549	36354	21	5	1	-	-	-	-	-	-	-	-	-	2	-	
3	Esher (part of)* -	6601	9221	8	3	-	2	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4573	18339	4	3	-	2	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i> -	2272	21302	11	9	-	-	-	-	-	-	-	-	-	-	1	1	
2	Mortlake -	2941	12331	13	7	2	3	-	-	-	-	-	-	-	1	1	-	
41:1	Bromley (pt. of)* <i>HH</i>	15669	81142	28	10	1	4	-	-	-	-	-	-	-	1	1	-	
2	Chislehurst (pt. of)* <i>WHH</i>	14507	13844	13	8	1	7	-	-	-	-	-	-	-	-	-	3	
42:1	Bexley <i>H</i> -	13437	24134	23	5	3	1	-	-	-	-	-	-	-	-	1	-	
2	Dartford ( <i>Ww</i> , pts. of)*†	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	2	
124:1	Sunbury <i>w</i> -	11055	11685	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13377	12069	5	3	-	2	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	8	2	-	2	-	-	-	-	-	-	-	-	1	1	
2	Uxbridge -	6173	3225	3	2	-	2	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14587	11623	10	14	4	2	-	-	-	1	-	1	-	1	1	5	
126:1	Isleworth <i>WHH</i> -	7008	23727	16	11	1	5	-	1	-	-	-	-	-	1	2	2	
2	Twickenham <i>H</i> -	2477	12479	10	3	-	1	-	-	-	-	-	-	1	1	1	-	
3	Brentford <i>HL</i> -	4345	37649	15	9	-	2	-	-	-	-	-	-	-	-	1	-	
4	Chiswick -	1340	16975	10	11	1	2	-	-	-	-	-	-	-	-	1	-	
5	Acton <i>wH</i> -	8083	22376	20	8	2	3	-	-	1	-	-	-	-	1	1	-	
127:1	Harrow <i>H</i> -	13809	12796	8	4	1	2	-	-	-	-	-	-	-	-	1	-	
2	Edgware <i>H</i> -	6994	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4883	27453	53	22	8	5	-	-	-	1	1	-	-	-	-	-	
4	Hendon <i>W</i> -	3382	10494	14	6	1	4	-	-	-	-	-	-	-	1	1	3	
137:1	Bushey -	9831	6621	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138:1	South Mimms -	15199	6591	5	5	2	2	-	-	-	-	-	-	-	1	1	-	
2	Barnet -	5133	10092	7	2	-	-	-	-	-	-	-	-	-	-	-	-	
3	Finchley <i>HL</i> -	4638	17615	50	15	1	7	-	-	-	-	-	-	-	-	-	6	
139:1	Hatfield (part of)* -	3906	583	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i> -	3039	37078	21	18	3	3	-	-	-	2	-	-	1	-	-	-	
2	Tottenham <i>H</i> -	4642	40456	77	33	14	5	-	4	-	-	1	-	-	-	2	1	
3	Edmonton <i>Ww</i> -	7453	23463	19	12	2	5	-	-	-	-	1	-	-	-	-	6	
4	Enfield <i>WH</i> -	12653	19104	21	11	2	2	-	-	-	-	-	-	-	1	1	-	
5	Waltham Abbey -	11017	5363	-	4	-	1	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8490	7735	7	1	-	-	-	-	-	-	-	-	-	-	-	-	
136:1	Stratford -	892	33606	38	22	7	7	-	-	1	1	-	-	-	2	3	-	
2	West Ham <i>wvH</i> -	4055	90347	151	44	16	9	-	-	-	3	-	-	2	1	1	-	
3	East Ham <i>wv</i> -	3296	10706	23	5	3	-	-	-	-	-	-	-	-	-	-	-	
4	Leyton <i>WwL</i> -	4372	32430	51	21	4	7	-	-	-	1	-	-	-	-	-	6	
5	Walthamstow <i>H</i> -	6520	28869	39	20	9	4	-	-	-	-	3	-	-	-	-	1	
137:1	Chigwell (part of)* <i>H</i>	11761	9039	3	6	-	5	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of)* <i>W</i>	6730	3411	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	8493	7645	9	6	1	2	-	-	-	1	-	-	-	-	-	-	
3	Barking Town -	4127	9203	10	4	2	1	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashted and Headley (pop. 1235); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1813); 41:2, Chislehurst sub-district, except the parish of Chislehurst (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139:1, the parish of Dagenham in Romford sub-district; also deaths in workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 19th April, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
GREATER LONDON	448,334	5,758,500	18.7	2.3	2066	459	506	-	74	13	25	119	9	16	54	395	
METROPOLITAN LONDON	77,410	4,421,661	19.0	2.6	1612	356	370	-	65	13	17	106	8	11	41	338	
CITY RING	370,924	1,336,839	17.7	1.4	454	103	136	-	9	-	8	13	1	5	13	57	

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0.622 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,225,668 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CUTTACK	433,219	March 8	-	276	33.2	56	4	-	-	-	74	43	
MADRAS	773,196	" 25	224	544	30.5	10	4	?	?	?	215	24	
DECCAN	398,777	February 28	285	291	37.9	5	12	?	?	?	74	37	
COCHIN	2,260,945	April 12	1098	1163	26.8	5	49	7	40*	7	8	50	
CHENNAI (8 Faubourgs.)	477,288	" 12	247	166	17.7	1	1	-	-	1	2	13	
AMSTERDAM	406,302	" 12	270	161	20.6	-	4	-	3	1	1	-	
ROTTERDAM	203,486	" 12	132	82	20.9	-	-	-	-	1	-	-	
THE HAGUE	156,497	" 12	102	56	18.6	-	-	-	-	1	-	-	
COPENHAGEN	307,000	" 12	204	131	22.2	-	-	1	17	4	1	4	
STOCKHOLM	228,218	" 5	113	100	22.8	-	-	8	13*	2	1	5	
CHRISTIANIA	143,300	" 12	66	100	36.3	-	2	1	8	-	1	1	
PETERSBURG	924,466	March 29	-	535	30.2	1	19	15	5	2	5	60	
BERLIN	1,526,887	" 29	830	671	22.8	-	10	5	23	12	3	84	
BRUSSELS (State)	575,276	April 5	393	227	20.6	-	1	3	12*	4	3	19	
BRUSSELS	269,250	" 5	135	109	21.1	-	1	-	2*	-	-	4	
BRISLAU	324,143	" 12	199	144	23.6	-	-	3	5*	-	-	7	
BRUNNEN	298,000	" 5	238	165	28.8	-	2	2	5*	2	-	17	
BRUNNEN	822,176	" 12	530	447	28.3	-	7	2	9	1	1	23	
BUDAPEST	314,425	" 12	-	157	26.0	-	4	1	3	3	3	4	
BUDAPEST	463,017	" 5	365	289	32.5	-	7	1	9	2	2	18	
BUDAPEST	160,092	" 12	71	79	25.7	-	-	-	5*	-	-	3	
BUDAPEST	415,498	February 22	301	239	30.0	1	4	1	7	-	3†	8	
BUDAPEST	314,827	March 1	253	237	29.7	-	8	1	10	5	4†	4	
BUDAPEST (11 days)	166,515	" 31	-	-	-	-	-	-	-	-	-	-	
BUDAPEST	374,838	April 5	76	60	20.0	7	-	-	2*	-	-	4	
BUDAPEST	374,838	March 27	343	264	36.7	-	-	-	-	3	16	67	
ALEXANDRIA	231,396	" 27	232	134	30.2	1	-	-	2*	-	6	23	
NEW YORK	1,595,547	" 29	-	783	25.6	1	14	9	24	6	2	12	
NEW YORK	852,467	" 29	-	338	20.7	-	-	3	22	-	-	-	
PHILADELPHIA	1,064,277	" 29	-	433	21.5	-	3	1	6	3	13	4	
BALTIMORE	500,343	" 29	-	214	22.3	-	13	1	3	2	3	4	
NEW ORLEANS	254,000	" 22	-	110	22.6	-	1	-	3	-	1	4	

\* Including deaths from croup.

† Including 20 deaths from cholera in Calcutta, and 5 in Madras.

‡ Including 3 deaths in each week from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, APRIL 19TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Cistern, in a Glass, or whose receiving surface is above the ground.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PHASES OF THE MOON.	JANUARY.	TEMPERATURE.				Difference between the Air and the Water of the Thames at Deptford.				Of the Water of the Thames at Deptford.				Oiler's.				Robinson's.	Miles.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		Mean daily reading.	Lowest est.	Highest est.	De- parture from average value.	Of the Air.	Of the Water.	Of the Air.	Of the Water.	General Direction.	Pressure on the Square Foot.	Mean of the Air on each day.	Least.	Greatest.	Direction.	Pressure on the Square Foot.	Mean of the Air on each day.			Least.	Greatest.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
APRIL.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

The height of the cistern of the barometers 159 feet above the mean level of the sea, no correction has been applied to the readings to reduce to sea level.

Observations were usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the observations are tabulated; the dry bulb thermometer, and the wet bulb thermometer, are eye-readings of the barometer; the application of corrections deduced from a discussion converted into sea level values by the twenty years ending 1873 for the barometer, and of the photographic barometer ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer combined the corrected mean of the readings of the maximum (column 4) and minimum (column 5) thermometers, forming the mean daily value of temperature of the air (column 6). The mean daily dew point temperature and degree of humidity are deduced (column 7). The mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-thermometer, and of the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-thermometer, are tabulated.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are—K, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased to 29.75 in. at the beginning of the week to 29.75 in. on 23d. p.m. of the 15th, and increased to 29.88 in. by the end of the week.

DATE.		(For explanation of symbols, see Note.)	Registered Sun. in hours.	Horizontal in hours.	GENERAL REMARKS.
APRIL.					
SUNDAY	13	W. P. . . . .	8-0	13-7	Fine; cloudless in early morning; partially cloudy afterwards.
MONDAY	14	W. P. generally, with W. N. between noon and 3 1/2 P. M.	7-8	13-7	Cloudless in early morning; very fine with little light cloud till evening; overcast with rain at night.
TUESDAY	15	W. P. till evening; S. N. at night.	6-6	13-8	Overcast in morning; very fine with light clouds till afternoon; overcast afterwards, with rain at night.
WEDNESDAY	16	M. N. between mid- night and 2 1/2 A. M.; generally after- wards	4-6	13-9	Cloudy with occasional rain in morning; partially cloudy and fine till evening; cloudless at night.
THURSDAY	17	W. P. . . . .	0-0	13-9	Cloudless in early morning; generally overcast afterwards; slight rain at night.
FRIDAY	18	W. P. generally; .	0-0	14-0	Overcast; showery.
SATURDAY	19	W. P. in morning; m. P. afterwards.	0-0	14-1	Overcast; occasional misty rain.
			Sum 27-0	Sum 97-1	

OFFICIAL COPY.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 17. 1890. VOL. LI.] WEEK ENDING SATURDAY, APRIL 26. [Price 1½d.

General Register Office, Somerset House,  
28th April, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·7 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.		Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.
Birkenhead	12·9	10·9	16·4	17·9	Liverpool -	24·1	21·4	23·8	21·9
Birmingham	20·9	18·2	20·8	16·5	London -	16·7	19·1	19·0	18·5
Blackburn -	24·1	28·3	16·0	25·3	Manchester -	28·6	31·5	30·0	30·4
Bolton -	23·9	28·8	34·7	23·9	Newcastle-on-Tyne -	27·8	24·0	28·8	30·7
Bradford -	20·6	22·5	22·5	22·3	Norwich -	19·7	21·9	20·8	19·1
Brighton -	16·4	18·1	19·8	16·0	Nottingham -	14·1	18·3	14·7	19·4
Bristol -	18·0	16·8	17·1	20·0	Oldham -	22·7	22·7	25·6	18·8
Cardiff -	22·7	15·6	16·0	24·5	Plymouth -	27·1	23·8	17·9	20·5
Derby -	20·2	24·8	26·4	24·8	Portsmouth -	16·8	15·3	17·1	20·8
Halifax -	19·1	30·5	28·0	24·8	Preston -	22·3	18·3	21·3	25·3
Huddersfield	10·5	20·5	18·8	17·1	Salford -	18·1	22·4	20·4	27·1
Hull -	19·3	21·5	20·2	19·0	Sheffield -	23·3	23·7	31·6	29·1
Leeds -	24·2	23·4	25·8	22·8	Sunderland -	24·4	19·9	20·6	22·9
Leicester -	15·5	15·9	10·8	17·9	Wolverhampton -	25·0	28·1	16·3	20·0

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·1 in Norwich, 1·2 in Liverpool, 1·3 in Plymouth, and 3·6 in Derby; from *scarlet fever*, 1·0 in Birkenhead and 1·1 in Manchester; and from *whooping-cough*, 1·3 in Plymouth, 1·4 in Bolton, 1·7 in Salford, and 3·4 in Brighton. The rate from *fever* did not reach 1·0 per 1000 in any of the twenty-eight towns. The 31 deaths from *diphtheria* in these towns included 20 in London, 6 in Salford, 2 in Manchester, and 2 in Birmingham. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2538 BIRTHS and 1567 DEATHS were registered. Allowing for increase of population, the births were 285, and the deaths 85, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19·1 and 19·0 in the two preceding weeks, further declined last week to 18·5. During the first four weeks of the current quarter the death-rate averaged 18·3 per 1000, and was 2·2 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

The 1567 deaths included 61 from *measles*, 17 from *scarlet fever*, 20 from *diphtheria*, 88 from *whooping-cough*, 6 from *enteric fever*, 1 from an ill-defined form of *continued fever*, 13 from *diarrhœa* and *dysentery*, and not one from *small-pox*, *typhus*, or *cholera*; thus, 206 deaths were referred to these diseases, being 25 below the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



No death from *small-pox* was registered, the corrected weekly average being 16. Three cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had increased in the three previous weeks from 35 to 65, declined again last week to 61, and were 6 below the corrected average; 5 belonged to Kensington, 8 to Marylebone, 10 to Islington, 4 to Poplar, 4 to Lambeth, and 4 to Battersea sanitary areas. The 17 fatal cases of *scarlet fever*, though showing a further increase on recent weekly numbers, were 5 below the corrected average; 2 (of patients admitted to hospital from one house in Loveridge Road) belonged to Hampstead, 2 to Islington, 2 to Hackney, and 2 to Poplar sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1113 scarlet fever patients at the end of the week, against numbers increasing from 1083 to 1107 in the three preceding weeks; 95 cases were admitted to these hospitals during the week, against 88 and 83 in the two preceding weeks. The deaths from *diphtheria*, which had been 20, 21, and 17 in the three previous weeks, increased again last week to 20, exceeding the corrected average by one; 7 (including 2 of hospital patients admitted from Wandsworth) belonged to the South group of sanitary areas. The 88 deaths from *whooping-cough* were fewer by 18 than the high number in the previous week, but exceeded the corrected average by 7; 6 belonged to Pancras, 9 to Hackney, 5 to Clerkenwell, 5 to St. Luke, 6 to Mile End Old Town, and 4 to Bermondsey sanitary areas. The deaths from *diarrhoea*, which had been 10 and 11 in the two preceding weeks, rose last week to 13, being, however, 2 below the corrected average; 8 were of children under one year of age, and 4 of persons aged 60 years and upwards.

The deaths referred to *enteric fever*, which had risen from 2 to 8 in the three preceding weeks, declined again last week to 6. The Metropolitan Asylum Hospitals contained 73 cases of enteric fever, and one of typhus, on Saturday last; 9 cases of enteric fever were admitted during the week, against 4 and 5 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had numbered 10, 7, and 9 in the three previous weeks, were 6 last week, of which 3 occurred in the South group of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 384 and 380 in the two preceding weeks, further declined last week to 345, and were 16 below the corrected average.

Different forms of violence caused 61 deaths, concerning all but one of which inquests were held. Of these 61 deaths, 5 were cases of suicide, and 1 of murder or manslaughter, while the remaining 55 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 2 by poison, 7 by drowning, and 19 (including 14 of infants aged under one year) by suffocation.

The death of a stevedore, aged 36 years, occurred in the London Hospital, the cause of which was returned, after inquest, as "syncope while under chloroform previous to an operation."

#### GREATER LONDON.

In Greater London 3326 births and 1961 deaths were registered, corresponding to annual rates of 30.1 and 17.8 per 1000 of the estimated population. In the Outer Ring 26 deaths from whooping-cough, 13 from measles, and 13 from diphtheria were registered. The 26 deaths from whooping-cough included 6 in West Ham, 3 in Leyton, 3 in Walthamstow, and 3 in Tottenham sub-districts. Six deaths from measles were recorded in Tottenham sub-district; and the deaths from diphtheria included 3 in Ilford, 2 in Walthamstow, 2 in Willesden, and 2 in Isleworth sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.66 ins.; the highest reading was 30.04 ins. on Sunday evening, and the lowest 29.08 ins. on Friday morning. The mean temperature of the *air* was 47° 1, and 1° 2 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday, Friday, and Saturday, but showed an excess on the other days of the week. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 12.2 miles per hour, which was 0.3 mile above the average in the corresponding weeks of 16 years. *Rain* fell on five days of the week, to the aggregate amount of one inch. The duration of registered bright sunshine in the week was 15.9 hours, against 20.1 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 26th April 1890.

CITIES AND BOROUGH.	Registered during the Week ending 26th Apr., 1890.			The Deaths registered in the Week include														TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGH.	
	POPULATION estimated middle of the Year 1890.*	BIRTHS.	DEATHS.	Deaths from														Annual Rate per 1000, corresponding to the Week's Deaths		Mean.		In Inches.	In Cent.		
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Rever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes of Death.	From All Causes.	From Diseases Cols. 6-12.	Highest. Fahrenheit.	Lowest.	Centigrade.				
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.
28 TOWNS	9,715,559	5730	3848	858	911	-	101	56	31	153	24	35	136	247	732	78	20.7	2.1	63.2	33.0	46.2	7.89	0.65	1.65	- 28 TOWNS.
LONDON	4,421,661	2538	1567	569	573	-	61	17	20	88	7	13	61	125	374	14	18.5	2.4	63.2	33.3	47.1	8.39	1.00	2.54	LONDON.
BRIGHTON	123,659	40	88	9	11	-	-	-	-	2	1	1	1	1	9	1	16.0	3.7	54.0	37.0	45.7	7.61	1.16	2.95	BRIGHTON.
PORTSMOUTH	142,962	87	57	14	11	-	-	-	-	-	-	-	-	-	4	-	20.8	2.9	-	-	-	-	-	-	PORTSMOUTH.
NORWICH	85,352	43	35	7	10	-	2	-	-	2	1	1	1	3	2	-	20.5	2.6	60.5	41.6	48.4	9.11	1.75	4.44	NORWICH.
PLYMOUTH	78,780	38	31	9	7	-	2	-	-	3	-	-	1	2	5	14	20.0	0.9	56.5	39.0	47.2	8.44	0.54	1.37	PLYMOUTH.
BRISTOL	232,248	132	89	22	18	-	-	-	-	-	-	-	2	2	8	2	20.0	0.0	57.4	34.4	44.4	6.89	0.18	0.46	BRISTOL.
WOLVERHAMPTON	83,406	67	32	6	14	-	-	-	-	-	-	-	1	9	12	34	16.5	1.9	-	-	-	-	-	-	WOLVERHAMPTON.
BIRMINGHAM	461,835	279	146	37	29	-	6	5	2	3	-	-	1	6	7	1	17.9	0.7	-	-	-	-	-	-	BIRMINGHAM.
LEICESTER	154,344	98	53	15	16	-	-	1	-	-	-	-	1	5	18	-	19.4	0.9	59.1	33.0	45.1	7.28	0.13	0.33	LEICESTER.
NOTTINGHAM	244,909	115	91	17	32	-	-	-	-	2	1	1	4	5	4	-	24.8	5.7	58.0	37.3	46.7	8.17	0.32	0.81	NOTTINGHAM.
DERBY	100,871	57	48	11	5	-	7	1	-	2	1	-	-	3	5	-	17.9	2.0	-	-	-	-	-	-	DERBY.
BIRKENHEAD	105,049	51	36	8	9	-	-	2	1	-	-	-	-	-	4	16	21.9	3.1	-	-	-	-	-	-	BIRKENHEAD.
LIVERPOOL	613,463	350	258	57	39	-	14	7	-	12	2	2	19	23	44	16	23.9	3.1	-	-	-	-	-	-	LIVERPOOL.
BOLTON	115,846	59	53	6	13	-	-	1	-	3	-	-	2	3	2	-	23.9	1.8	-	-	-	-	-	-	BOLTON.
MANCHESTER	378,437	305	221	45	49	-	2	8	2	1	1	5	3	3	53	3	30.4	2.6	-	-	-	-	-	-	MANCHESTER.
SALFORD	242,509	142	126	33	24	-	-	-	6	8	2	2	4	4	23	4	27.1	4.1	-	-	-	-	-	-	SALFORD.
OLDHAM	146,716	72	53	8	11	-	-	1	-	3	-	-	2	6	7	2	18.8	1.4	-	-	-	-	-	-	OLDHAM.
BLACKBURN	123,553	76	60	9	17	-	-	-	-	2	1	-	2	3	6	2	25.3	1.3	-	-	-	-	-	-	BLACKBURN.
PRESTON	105,163	71	51	13	19	-	-	1	-	-	-	-	-	2	3	2	25.3	0.5	-	-	-	-	-	-	PRESTON.
HUDERSFIELD	94,253	43	31	8	9	-	-	-	-	-	-	-	1	1	6	2	17.1	0.0	-	-	-	-	-	-	HUDERSFIELD.
HALIFAX	82,034	44	39	5	10	-	1	-	-	-	-	-	1	1	1	1	24.8	0.6	-	-	-	-	-	-	HALIFAX.
BRADFORD	240,515	111	103	14	30	-	-	-	-	2	-	2	6	9	15	1	22.3	0.9	55.0	37.0	45.0	7.22	0.12	0.30	BRADFORD.
LEEDS	363,799	245	159	27	33	-	-	-	1	1	1	1	4	7	24	-	22.8	0.9	-	-	-	-	-	-	LEEDS.
SHEFFIELD	186,337	138	186	35	54	-	3	6	-	3	1	-	3	3	15	11	29.1	2.0	-	-	-	-	-	-	SHEFFIELD.
HULL	213,533	131	74	14	24	-	-	-	-	1	1	-	1	1	11	3	18.0	0.2	-	-	-	-	-	-	HULL.
SUNDERLAND	156,566	113	60	12	12	-	2	-	-	1	1	-	4	5	7	-	22.9	1.5	-	-	-	-	-	-	SUNDERLAND.
NEWCASTLE	162,987	133	96	16	23	-	-	2	-	3	2	-	2	3	19	3	30.7	2.2	-	-	-	-	-	-	NEWCASTLE.
CARDIFF	117,012	93	55	17	9	-	1	-	-	-	-	1	2	4	9	1	24.5	0.9	-	-	-	-	-	-	CARDIFF.
EDINBURGH	271,135	126	103	17	30	-	3	1	-	6	3	-	3	?	23	8	19.8	2.5	58.5	30.5	46.4	8.00	0.46	1.17	EDINBURGH.
GLASGOW	550,408	394	301	66	48	-	14	-	1	16	3	5	8	?	33	33	29.6	3.8	58.9	34.8	46.5	8.06	0.34	2.39	GLASGOW.
DUBLIN	255,082	130	149	23	39	-	2	-	1	3	2	-	2	2	55	13	22.0	1.2	62.0	31.9	47.8	8.78	0.29	0.74	DUBLIN.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the SEVENTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2559	2829	2490	2514	2807	2561	2515	2516	2577	2522	2823·2	2538
Males . .	1303	1430	1294	1217	1402	1326	1253	1307	1297	1279	1429·4	1288
Females . .	1256	1399	1196	1297	1405	1235	1262	1209	1280	1243	1393·8	1250
<b>TOTAL Deaths</b>	1387	1550	1520	1635	1660	1549	1472	1481	1437	1462	1652·4	1567
Males . .	727	786	784	840	881	793	762	748	750	777	855·8	826
Females . .	660	764	736	795	779	756	710	733	687	685	796·6	741

\* The numbers in this column are the average weekly numbers in the seventeenth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Feb. 1.	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.
<b>TOTAL Births</b>	2699	2707	2793	2702	2561	2536	2717	2534	2543	2329	2360	2935	2533
<b>TOTAL Deaths</b>	1849	1749	1809	1847	1802	1889	1771	1637	1571	1419	1619	1611	1567
<b>Ages at</b>													
{ 0-20 years	703	714	763	753	739	798	776	729	743	657	774	782	742
{ 20-40 "	282	238	218	256	234	226	196	193	204	183	204	177	197
{ 40-60 "	369	334	357	363	324	348	303	296	264	239	275	282	255
<b>Death</b>													
{ 60-80 "	390	363	390	374	418	428	404	342	309	285	308	291	313
{ 80 years & upwards	105	100	81	101	87	89	92	77	51	55	58	79	60
<b>"</b>													
{ Under 1 year	350	372	352	393	367	394	392	381	366	310	372	356	369
{ 1-5 "	250	254	306	259	263	294	271	270	304	253	298	322	286
{ 5-20 "	103	88	105	101	109	110	113	78	73	94	104	104	87
<b>Deaths from Small-pox</b>	-	-	-	1	-	-	-	-	-	-	-	-	-
" " Measles	11	8	21	14	19	35	35	45	45	35	54	65	61
" " Scarlet fever	14	19	14	13	14	12	18	11	10	8	12	13	17
" " Diphtheria	24	24	39	27	24	19	25	23	30	20	21	17	20
" " Whooping-cough	67	91	115	103	97	95	86	76	101	84	79	103	88
" " Typhus	-	-	-	-	-	-	-	-	-	-	1	-	-
" " Enteric fever	9	2	12	8	7	4	3	7	7	2	4	8	6
" " Simple Contag. fever	-	-	1	1	1	1	1	-	1	1	-	-	1
" " Diarrhoea and	9	4	6	21	12	9	14	14	13	10	10	11	13
" " Dysentery	-	-	-	-	-	-	-	-	-	-	-	-	-
" " Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-
" " all the above-mentioned Diseases	134	148	208	188	174	175	182	176	207	160	181	220	206
" " Dis. of Respiratory System	550	485	439	452	492	510	447	381	375	296	384	380	345
" " Phthisis	220	209	215	218	224	206	164	169	154	180	174	189	154
" " Dis. of Circulatory System	116	154	143	162	146	163	145	148	120	114	151	133	119
<b>Violent Deaths</b>	62	58	56	77	52	65	76	49	61	86	60	41	61
<b>Inquest Cases</b>	127	125	137	143	134	120	162	115	117	85	133	105	125
<b>Deaths in Public Institutions</b>	471	401	436	434	425	406	390	406	377	362	382	338	374
<b>TEMPERATURE OF THE AIR</b>													
Mean	42·9	37·1	35·9	39·4	35·4	36·4	45·3	43·3	49·0	43·8	43·2	46·1	47·1
Mean of Highest readings	48·3	42·7	41·7	43·9	42·0	43·6	54·0	52·0	57·3	54·9	52·0	53·8	56·7
Mean of Lowest readings	38·2	32·0	30·8	35·9	30·4	29·0	37·6	36·0	42·6	33·1	37·0	39·9	40·1
<b>Humidity of the Air</b>	90	89	87	89	87	69	79	82	84	72	72	81	82
<b>Rain-fall in inches</b>	0·73	0·05	0·88	0·04	0·22	0·33	0·24	0·81	0·41	0·00	0·29	0·38	1·00
<b>Registered Sunshine (in hours)</b>	8·9	9·5	31·2	12·4	9·7	12·1	28·1	21·5	14·6	59·8	22·0	27·0	15·9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Carr Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandrsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. B. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the SEVENTEENTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 17th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 26th April 1890.								Corrected Averages for the 17th Weeks of the 10 years 1880-89.*	CAUSES OF DEATH.	In the Week ending Saturday, 26th April 1890.											
		Deaths of Persons of the Ages										Deaths of Persons of the Ages											
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
		0-1.	1-5.	5-20.							0-1.	1-5.	5-20.										
ALL CAUSES - -	1652.4	1567	369	286	87	197	255	313	60	Diseases of Organs of Special Sense † - -	2.5	3	-	1	2	-	-	-	-	-	-	-	-
Small-pox { Vaccinated † - - - - -	16.4 {	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	110.0	119	1	1	5	13	30	63	6	-	-	-	
{ Unvaccinated - - - - -		-	-	-	-	-	-	-	-	Croup - - - - -	12.0	10	3	7	-	-	-	-	-	-	-	-	
{ No Statement - - - - -		-	-	-	-	-	-	-	-	Bronchitis - - - - -	203.2	190	51	44	2	7	16	55	17	3	-	-	
Measles - - - - -	66.5	61	13	41	7	-	-	-	-	Pneumonia - - - - -	108.1	111	22	32	2	20	24	8	3	-	-		
Scarlet Fever - - -	21.7	17	2	10	5	-	-	-	-	Pleurisy - - - - -	6.5	10	-	2	2	1	3	2	-	-	-		
Typhus - - - - -	1.0	-	-	-	-	-	-	-	-	<b>Other Diseases of Respiratory System - - -</b>	32.3	24	6	4	1	2	3	6	2	-	-		
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	Dentition † - - - -	19.3	14	6	8	-	-	-	-	-	-	-		
Influenza - - - - -	0.4	6	-	-	-	5	1	-	-	Quinsy, Sore Throat †	1.9	2	1	-	-	1	-	-	-	-	-		
Whooping-cough - -	80.9	88	31	53	3	1	-	-	-	Euteritis - - - - -	7.5	10	4	1	1	2	1	-	-	-	-		
Diphtheria - - - - -	19.0	20	3	13	3	1	-	-	-	Peritonitis - - - -	6.7	10	-	1	1	3	4	1	-	-	-		
Simple Continued and Ill-defined Fever -	1.3	1	-	1	-	-	-	-	-	<b>Diseases of Liver and Digestive System of</b>	30.1	23	2	-	5	8	8	-	-	-	-		
Enteric Fever - - -	8.7	6	-	1	2	1	2	-	-	Diseases of Lymphatic System & of Ductless Glands † - - -	2.5	1	-	-	-	1	-	-	-	-	-		
Cholera - - - - -	0.2	-	-	-	-	-	-	-	-	<b>Diseases of Urinary System - - -</b>	41.7	43	-	-	4	8	11	23	2	-	-		
Diarrhoea, Dysentery	15.3	13	8	1	-	-	3	1	-	<b>Diseases of Generative System &amp; of Childbirth -</b>	7.0	7	1	-	-	3	3	-	-	-	-		
Remittent Fever † -	0.0	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.7	5	-	-	5	-	-	-	-	-	-		
Hydrophobia - - -	0.1	-	-	-	-	-	-	-	-	<b>Diseases of Locomotive System † - - -</b>	7.1	7	-	1	1	2	1	1	1	-	-		
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-	<b>Diseases of Integumentary System - - -</b>	5.8	5	1	-	-	1	2	-	1	-	-		
Cowpox and Effects of Vaccination † - -	0.1	1	1	-	-	-	-	-	-	<b>VIOLENT DEATHS.‡</b>													
Venereal Affections -	8.9	8	7	-	-	1	-	-	-	(ACCIDENT.)													
Erysipelas - - - -	5.2	6	3	-	-	2	1	-	-	Fracture and Contusion	22.9	21	-	1	1	5	4	10	-	-	-		
Pyæmia and Septicæmia †	3.4	1	-	-	1	-	-	-	-	Gunshot Wound - - -	0.2	1	-	-	1	-	-	-	-	-	-		
Puerperal Fever - -	5.8	5	-	-	5	-	-	-	-	Cut, Stab - - - - -	0.5	2	-	1	-	-	1	-	-	-	-		
Other Zymotic Diseases †	2.3	-	-	-	-	-	-	-	-	Burn and Scald - - -	5.1	2	-	1	-	-	1	-	-	-	-		
Thrush - - - - -	1.9	1	1	-	-	-	-	-	-	Poison - - - - -	1.2	2	-	-	1	1	-	-	-	-	-		
Worms and other Parasitical Diseases - -	0.7	-	-	-	-	-	-	-	-	Drowning - - - - -	5.7	7	-	-	2	3	-	-	-	-	-		
Starvation, Want of Breast-milk † - -	1.9	-	-	-	-	-	-	-	-	Suffocation - - - -	14.9	19	14	1	-	1	2	1	-	-	-		
Alcoholism - - - -	3.5	8	-	-	2	5	1	-	-	Otherwise - - - - -	2.7	3	2	-	-	1	-	-	-	-	-		
Rheumatic Fever, Rheumatism of Heart †	7.2	6	-	1	2	1	2	-	-	<b>(HOMICIDE.)</b>													
Rheumatism † - - -	2.7	5	-	-	-	2	3	-	-	Murder & Manslaughter	2.5	1	1	-	-	-	-	-	-	-	-		
Gout - - - - -	3.7	4	-	-	1	-	3	-	-	<b>(SUICIDE.)</b>													
Rickets † - - - - -	4.4	11	3	7	1	-	-	-	-	Gunshot Wound - - -	0.8	-	-	-	-	-	-	-	-	-	-		
Cancer - - - - -	52.8	53	-	-	9	20	24	-	-	Cut, Stab - - - - -	2.3	1	-	-	-	-	-	1	-	-	-		
Tabes Mesenterica	23.4	21	7	10	1	1	1	-	-	Poison - - - - -	2.0	1	-	-	-	1	-	-	-	-	-		
Tubercular Meningitis	23.5	30	10	10	9	1	-	-	-	Drowning - - - - -	1.6	-	-	-	-	-	-	-	-	-	-		
Phthisis - - - - -	180.9	154	4	3	15	70	51	11	-	Hanging - - - - -	2.5	3	-	-	1	1	1	-	-	-	-		
Scrofula, Tuberculosis	16.8	20	6	6	5	2	1	-	-	Otherwise - - - - -	0.8	-	-	-	-	-	-	-	-	-	-		
Other Constitutional Diseases † - -	10.7	12	1	1	1	2	3	4	-	<b>(EXECUTION.)</b>													
Premature Birth - -	36.1	48	43	-	-	-	-	-	-	Hanging - - - - -	0.0	-	-	-	-	-	-	-	-	-	-		
Atelecstasis † - - -	2.8	1	1	-	-	-	-	-	-	<b>OTHER CAUSES † - -</b>	55.8	58	45	-	-	1	4	4	3	-	-	-	
Congenital Malformations -	6.4	5	4	1	-	-	-	-	-														
Old Age - - - - -	54.4	40	-	-	-	-	23	17	-														
Apoplexy - - - - -	44.7	39	2	-	1	3	13	17	3														
Epilepsy - - - - -	5.3	6	-	-	1	3	2	-	-														
Convulsions - - - -	43.0	39	32	7	-	-	-	-	-														
Other Diseases of Brain and Nervous System	97.8	78	13	17	4	4	12	26	2														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-8 has been used.

‡ Those cases of small-pox only are returned as "vaccinated," or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not ascribed by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, TYPHUS, ENTERIC (OR TYPHOID) FEVER, SIMPLE CONTINUED FEVER, DIARRHŒA, VIOLENCE, INQUEST CASES, and Deaths in Public Institutions, during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		num- bered Popu- lation, 1881.	Total Births.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.
				Infants under 1 Year of Age.	Persons aged 40 Years and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON		3,815,704	2538	1567	369	373	-	61	17	20	88	-	6	1	13	61	125	374	
West Districts - - - -		689,838	369	260	59	76	-	10	2	3	9	-	1	-	2	7	16	71	
North Districts - - - -		905,947	568	370	78	94	-	22	7	5	23	-	2	1	3	12	31	80	
Central Districts - - - -		282,268	155	118	21	27	-	4	1	4	11	-	-	-	1	3	9	32	
East Districts - - - -		692,738	550	294	74	54	-	8	2	1	19	-	2	-	2	13	32	98	
South Districts - - - -		1,265,148	896	525	137	122	-	17	5	7	26	-	1	-	5	26	37	93	
METROPOLITAN ASYLUM Hos- PITALS OUTSIDE REGISTRATION LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Districts.																			
St. Mary Paddington WHH G.J. & W.M.		69888	33	28	9	5	-	1	-	1	2	-	-	-	-	2	3	4	
St. John Paddington H - - G.J.		37890	11	10	1	3	-	1	-	-	-	-	1	-	-	-	-	2	
Kensington Town Ww - - W.M.		120141	64	45	8	16	-	3	-	-	1	-	-	-	-	-	-	15	
Brompton H - - W.M. & C.		43010	12	11	4	2	-	2	-	-	-	-	-	-	-	1	1	2	
St. Peter Hammersmith - - W.M.		7599	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H W.M. & G.J.		43440	48	30	3	6	-	-	-	-	-	-	-	-	-	1	2	1	
Fulham Ww - - W.M. & C.		42900	44	34	6	7	-	1	2	1	1	-	-	-	-	-	2	5	
Chelsea South HHH - - C.		30396	23	8	3	2	-	1	-	1	-	-	-	-	-	-	1	2	
Chelsea North-west WHHHHH - C.		24925	22	24	2	13	-	-	-	-	-	-	-	-	-	-	-	19	
Chelsea North-east - - C.		32807	17	15	7	3	-	-	-	-	2	-	-	-	1	-	2	-	
May Fair WW - - G.J.		80353	9	11	-	5	-	-	-	-	-	-	-	-	-	1	2	6	
Belgrave WHHH - - C.		69220	32	21	6	2	-	-	-	1	-	-	-	-	-	2	2	0	
St. John Westminster HHH - C.		35498	17	11	5	2	-	-	-	2	-	-	-	-	1	-	1	-	
St. Margaret Westminster H - C.		24679	15	10	1	5	-	-	-	-	-	-	-	-	-	-	-	2	
St. James Westminster WHH N.R. & G.J.		29041	14	9	3	4	-	-	-	-	-	-	-	-	-	-	-	3	
St. Anne Soho HHHHHH - N.R.		18608	8	3	1	1	-	1	-	-	-	-	-	-	-	-	-	1	
North Districts.																			
All Souls Marylebone HHHHH W.M.		26759	11	12	-	2	-	-	-	-	-	-	-	-	-	1	3	8	
Cavendish Square HHHH - W.M.		14891	6	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone WH G.J. & W.M.		24509	9	7	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
St. Marylebone HHH G.J. & W.M.		21118	24	12	4	3	-	3	-	-	1	-	-	-	-	-	-	-	
Christchurch Marylebone HH - W.M.		33700	23	19	5	4	-	2	-	-	-	-	-	-	-	1	2	-	
St. John Marylebone H - - W.M.		33633	19	13	2	2	-	2	-	1	3	-	-	-	-	-	-	-	
Hampstead WwHHHH N.R. & W.M.		45452	30	16	3	5	-	-	2	-	-	-	-	-	-	1	3	5	
Regent's Park Pancras H - - W.M.		89115	11	10	2	-	-	-	-	-	-	-	-	-	-	-	1	-	
Tottenham-court WHHHH N.R. & W.M.		27729	10	16	3	4	-	-	-	-	-	-	-	1	-	1	1	8	
Gray's Inn Lane HHH - - N.R.		33247	23	14	4	2	-	2	-	-	2	-	-	-	1	-	1	2	
Bonmers Town H - - N.R.		84369	9	9	3	2	-	-	-	-	-	-	-	-	-	-	-	2	
Camden Town WH - - N.R.		17811	9	13	1	11	-	-	-	-	-	-	-	-	-	1	1	10	
Kentish Town W - - N.R.		87487	51	28	8	2	-	1	-	-	3	-	-	-	-	2	4	3	
Upper Holloway WWwH - - N.R.		67946	54	35	4	12	-	-	-	-	3	-	-	-	-	2	3	14	
Islington South-west HH - - N.R.		100976	74	35	8	10	-	4	1	1	1	-	-	-	-	2	3	1	
Islington South-east - - N.R.		61825	31	21	6	4	-	3	-	-	1	-	-	-	1	1	2	-	
Highbury H - - N.R.		52048	28	23	6	7	-	3	-	-	-	-	-	-	1	1	3	3	
Stoke Newington H - - N.R.		22781	18	4	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
Stamford Hill - - E.L.		9277	12	6	1	4	-	-	-	-	1	-	-	-	1	-	-	-	
West Hackney H - - N.R.		37610	25	12	2	3	-	-	-	-	-	-	-	-	-	-	-	3	
Hackney WwHH - - E.L. & N.R.		76911	59	50	9	12	-	-	4	3	6	-	1	-	-	1	3	21	
South Hackney - - E.L.		39883	20	10	4	1	-	-	-	-	1	-	-	1	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - N.R.		16681	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH - - N.R.		14864	14	6	1	1	-	1	-	-	-	-	-	-	-	-	-	2	
St. Giles North - - N.R.		18837	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Martin-in-the-Fields HH N.R. & C.		17508	3	8	1	2	-	-	-	-	1	-	-	-	-	-	1	3	
St. Mary-le-Strand H - - N.R.		7515	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H - - N.R.		8559	2	9	2	2	-	-	-	1	-	-	-	-	-	-	1	4	
Strand Union Workhouse, Edmonton w.		-	1	4	-	3	-	-	-	-	-	-	-	-	-	1	1	4	
St. Geo. the Martyr HHHHHH N.R.		18871	4	13	1	4	-	-	-	1	-	-	-	-	-	-	-	5	
St. Andrew Eastern W - - N.R.		10706	5	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Saffron Hill H - - N.R.		6553	4	3	1	1	-	-	-	-	-	-	-	-	-	-	1	-	
St. James Clerkenwell - - N.R.		17516	15	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell - - N.R.		19281	14	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville - - N.R.		14773	7	3	2	-	-	-	-	-	1	-	-	-	-	1	1	-	
Goswell-street - - N.R.		17506	10	6	3	-	-	-	-	-	2	-	-	-	-	-	-	-	
Old-street H - - N.R.		11541	13	4	-	1	-	-	-	-	1	-	-	-	-	1	-	-	
City-road HHL - - N.R.		18628	28	13	3	3	-	1	1	-	-	-	-	-	-	-	-	-	
Whitecross-street - - N.R.		9217	4	5	1	1	-	-	-	-	3	-	-	-	-	-	-	-	
Finsbury - - N.R.		7463	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Holborn Union Workhouse, Mitcham, w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph H - - N.R. & E.L.		11174	7	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate - - N.R.		7193	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	
St. Sepulchre H - - N.R.		5353	4	14	1	1	-	1	-	2	-	-	-	-	-	-	1	-	
St. Bride W - - N.R.		8396	3	6	-	1	-	-	-	-	-	-	-	-	-	-	-	13	
Alhallowes Barking - - N.R.		13666	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
Broad Street H - - N.R.		5552	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>2</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse establishments; Companies which supply the different sub-districts: G. J. signifies Grant Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

E, DYPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT day, 26th April, 1890.

[illegible]

Following Workhouses (continued) are indicated in the above Table by w (see note at foot of preceding page) :-	
Lytlebone Infirmary in Kennington Town sub-district.	Stepney Workhouse in Bromley sub-district.
London London Sick Asylum in Tottenham Court sub-district.	Poplar & Stepney Sick Asylum
London Infirmary in Upper Holloway sub-district.	Westminster Urban Industrial School in West Battersea sub-district.
London City Workhouse " Hackney sub-district.	St. Saviour's Infirmary in Camberwell sub-district.
" " " Hoxton New Town sub-district.	Metropolitan Asylum District Hospitals in Finsbury, Hampstead, Hack-
" " " Mile End Old Town Eastern sub-dist.	ney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford
" " " Mile End Old Town Eastern sub-dist.	and Edmonton sub-districts outside Registration London.
London City " " " and Bromley sub-district.	Strand and Holborn Workhouses outside Registration London.

In April 1880 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 26th April, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,957	788	394	99	111	-	13	1	13	26	2	1	11	24	56	
30: 1	Carshalton <i>wL</i>	12228	21118	17	6	2	3	-	-	-	-	-	-	-	-	-	1	
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	7	4	3	-	-	-	-	-	1	-	-	-	-	1	
37: 1	Godstone ( <i>part of</i> ) *	2754	1235	2	-	-	-	-	-	-	-	-	-	-	-	2	1	
38: 1	Croydon <i>Ww</i> <i>L</i>	20851	101241	53	49	10	17	-	-	-	-	-	-	-	-	-	-	
2	Mitcham <i>w†</i>	11697	17932	13	3	1	1	-	1	-	1	2	-	-	1	4	11	
39: 1	Wimbledon <i>HHH</i>	3230	15950	24	2	-	1	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i>	8549	38354	25	10	-	6	-	-	-	-	-	-	-	-	-	-	
3	Esher ( <i>part of</i> ) *	6601	9221	4	2	-	1	-	-	-	-	-	-	-	-	-	7	
4	Hampton <i>H</i>	4573	13559	5	7	3	1	-	-	-	-	-	-	-	-	-	-	
40: 1	Richmond <i>WH</i>	2272	21302	5	11	2	3	-	-	-	-	-	-	-	-	2	-	
2	Mortlake	2941	12331	8	6	1	-	-	-	-	-	-	-	-	-	-	2	
41: 1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15639	31142	20	2	1	-	-	-	-	-	1	-	-	1	1	-	
2	Chislehurst ( <i>pt. of</i> ) * <i>WHH</i>	14307	15344	13	10	3	3	-	-	-	-	-	-	-	-	-	-	
42: 1	Bexley <i>H</i>	18437	24134	14	5	3	-	-	-	-	-	-	-	-	-	1	2	
2	Dartford ( <i>Ww</i> , <i>pts. of</i> ) *†	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124: 1	Sunbury <i>w</i>	11055	11635	7	3	-	3	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W-</i>	13277	12089	9	7	1	4	-	-	-	-	-	-	-	-	-	-	
125: 1	Hillingdon <i>WHH</i>	6029	10802	3	4	-	1	-	-	2	-	-	-	-	-	-	4	
2	Uxbridge	6178	5225	4	1	1	-	-	-	-	-	-	-	-	-	-	1	
3	Hayes <i>wHL</i>	14587	11523	12	6	-	3	-	-	-	-	-	-	-	-	-	-	
126: 1	Isleworth <i>WHH</i>	7008	22727	11	5	1	2	-	-	-	2	1	-	-	-	-	3	
2	Twickenham <i>H-</i>	2477	12479	8	9	3	3	-	-	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i>	4345	27349	22	10	1	3	-	-	-	-	-	1	-	-	1	-	
4	Chiswick	1340	15975	11	4	1	-	-	-	-	-	1	-	-	-	-	-	
5	Acton <i>wH</i>	6068	22376	29	9	2	2	-	-	-	-	-	-	-	-	1	-	
127: 1	Harrow <i>H-</i>	13809	12793	6	7	3	2	-	-	1	-	-	-	-	-	-	-	
2	Edgware <i>H</i>	6994	3749	3	1	-	1	-	-	-	-	-	-	-	-	-	-	
3	Willesden	4383	27453	41	15	4	1	-	-	-	2	-	-	-	1	2	-	
4	Hendon <i>W</i>	8332	10434	8	9	2	5	-	-	-	-	-	-	-	-	-	-	
137: 1	Bushy	9331	6621	3	1	1	-	-	-	-	-	-	-	-	-	1	3	
2	Watford ( <i>W</i> , <i>pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138: 1	South Mimms	15299	6391	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet	5133	10092	7	1	-	1	-	-	-	-	-	-	-	-	-	-	
3	Finchley <i>HL</i>	4638	17615	13	13	-	6	-	-	-	-	1	-	-	-	-	-	
139: 1	Hatfield ( <i>part of</i> ) *	3806	533	-	-	-	-	-	-	-	-	-	-	-	-	-	6	
128: 1	Hornsey <i>H-</i>	3039	37078	28	11	3	4	-	1	-	1	1	-	-	1	2	-	
2	Tottenham <i>H</i>	4642	46456	53	23	8	1	-	6	-	1	3	-	-	-	-	-	
3	Edmonton <i>Ww</i>	7453	23463	18	8	3	2	-	-	-	-	-	-	-	-	-	-	
4	Enfield <i>WH</i>	12553	19104	18	5	1	1	-	-	-	-	-	-	-	-	-	3	
5	Waltham Abbey	11017	5343	3	2	1	1	-	-	-	-	-	-	-	1	1	1	
6	Cheshunt	8450	7735	2	2	1	1	-	-	-	-	-	-	-	-	-	-	
136: 1	Stratford	832	33606	23	9	3	2	-	-	-	-	-	-	-	-	-	-	
2	West Ham <i>wvH†</i>	4055	90347	113	43	13	10	-	-	-	-	6	1	1	1	1	-	
3	East Ham <i>wv</i>	3296	10706	20	6	3	-	-	-	-	-	1	-	-	-	-	-	
4	Leyton <i>WwL</i>	4372	32430	31	23	3	9	-	1	-	1	3	-	-	2	2	9	
5	Walthamstow <i>H</i>	6520	23859	31	16	8	1	-	1	-	2	3	-	-	-	-	-	
137: 1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9639	4	3	-	1	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W</i> , <i>pt. of</i> ) *	-	-	1	1	-	1	-	-	-	-	-	-	-	1	2	-	
139: 1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	9	1	-	2	-	-	-	-	-	-	-	-	-	1	
2	Ilford	8493	7645	10	7	1	2	-	-	-	-	-	-	-	-	-	1	
3	Barking Town	4127	9203	11	5	2	-	-	-	-	-	1	-	-	-	1	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
 23: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadnam and Kneekholt (pop. 1315); 41: 2, Chislehurst sub-district, except the parish of Chislehurst (pop. 247); 135: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 475); 149: 1, the parish of Dagenham in Romford sub-district.  
 † Also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, and 137: 2, Watford, and 137: 2, Epping, sub-districts.

‡ Exclusive of deaths of London residents in the Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 26th April, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
GREATER LONDON	448,334	5,758,500	17.8	2.4	1931	463	484	-	74	18	33	114	9	14	72	430	
THE LONDON	77,410	4,421,661	18.5	2.4	1567	361	373	-	61	17	20	88	7	13	61	374	
THE RING	370,924	1,336,839	15.4	2.2	394	99	111	-	13	1	13	26	2	1	11	56	

The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 622 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,225,668 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
ATTA -	433,219	March	15	-	262	31.5	77	1	-	-	-	61	39
AY -	773,196	"	22	-	290	34.9	57	3	-	-	-	68	48
IAS -	398,777	April	1	348	457	25.6	12	6	-	-	-	157	22
-	-	March	7	274	287	37.4	3	13	-	-	-	65	48
-	-	"	14	258	280	36.5	1	12	-	-	-	77	47
-	3,260,945	April	19	1167	1125	25.9	1	47	9	31*	9	7	57
ELS - (Faubourgs.)	477,288	"	19	250	175	18.9	-	2	-	1	1	2	11
ERDAM -	406,302	"	19	303	171	21.0	-	3	-	8	2	1	-
ERDAM -	203,486	"	19	139	89	20.7	-	-	-	-	-	-	-
HAGUEN -	156,497	"	19	110	46	15.3	-	-	-	-	1	-	-
HAGUEN -	307,000	"	19	220	145	24.6	-	2	2	16	5	1	2
HOLM -	228,218	"	12	121	90	19.8	-	-	6	3*	2	-	6
STANIA -	143,300	"	19	73	54	19.6	-	1	-	4	1	-	1
STERSBURG	924,465	"	5	-	520	29.3	-	14	18	11	2	9	44
IN -	1,526,887	"	5	811	693	23.6	-	9	9	28	21	5	80
BURG(State)	875,276	"	12	453	270	24.5	-	-	1	11*	1	7	11
DEN -	269,250	"	12	152	137	24.5	-	2	1	6†	-	-	6
LAU -	324,143	"	19	205	174	23.6	-	-	1	9*	-	-	13
ICH -	298,000	"	12	264	181	31.6	-	2	1	5*	1	-	27
NA -	822,176	"	19	537	447	23.3	-	6	3	5	4	2	22
UNE -	314,425	"	19	-	149	24.7	2	6	4	4	1	2	4
A-PESTH	463,017	"	12	360	337	37.8	-	3	1	11	-	3	22
STE -	160,092	"	19	87	88	28.6	-	-	-	-	-	-	5
-	415,498	March	8	283	254	31.9	-	4	-	8	4	3†	8
- (11 days)-	314,827	"	15	267	221	27.7	1	8	-	-	-	3†	10
ON -	156,515	April	31	268	243	25.6	1	7	-	5	1	-	22
ON -	156,515	April	12	57	63	21.0	9	-	-	-	-	1	2
O -	374,838	"	3	325	264	36.7	-	-	-	2*	2	22	63
SANDRIA -	231,396	"	3	185	143	32.2	3	-	1	1	2	4	39
YORK -	1,595,547	"	5	-	753	24.8	-	13	14	23	8	3	9
OLYIN -	852,467	"	5	-	318	19.3	-	2	3	17	4	3	5
ADELPHIA -	1,064,277	"	5	-	300	19.1	-	5	12	9	3	12	3
IMORE -	500,343	"	5	-	191	19.9	-	11	1	5	2	4	5
ORLEANS -	254,000	March	20	-	113	23.2	-	-	-	3	-	4	8

\* Including deaths from croup.

† Including 22 and 30 deaths respectively from cholera in Calcutta, and 2 and 3 respectively in Madras.

‡ Including 3 and 1 death respectively from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, APRIL 26TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

[illegible]

The height of the cistern of the barometers 150 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 9h, 4-5 p.m.; noon; 3h, p.m.; and the wet bulb thermometer readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading for the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glashier's Hygro-metric tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that a '+' indicates '*higher*,' and a '*lower*,' than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are —F, positive; N, negative; W, weak; M, moderate; S, strong; and V, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.88 in. at the beginning of the week to 30.04 in. at the end of the week.

GENERAL REMARKS.

DATE.	ELECTRICITY. (For explanation of symbols, see Note.)	Leastest Sun- shine, Horizon, in hours.	General Remarks.
APRIL.			
SUNDAY . 50	w. P. generally	0·5	14·1
MONDAY . 21	w. P. throughout	2·2	14·2
TUESDAY . 22	w. P. and w. N. in morning; v. P. and w. N. afterwards.	2·6	14·2
WEDNESDAY . 23	w. P. in morning; w. N. and v. P. afterwards.	6·4	14·3
THURSDAY . 24	w. P. till 9ll. A.M.; w. N. and v. P. afterwards.	0·0	14·4
FRIDAY . 25	w. P. till 8h. A.M.; v. N. till 1h. P.M.; w. N. and w. P. afterwards.	0·0	14·4
SATURDAY . 26	m. P. and w. N. in morning; s. N. and w. P. till evening; w. P. at night.	4·2	14·5
	Sum	Sum	Sum
	15·9	15·9	100

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, MAY 3.

[Price 1½d.]

General Register Office, Somerset House,  
5th May, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·6 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Apr. 12.	Apr. 19.	Apr. 26.	May 3.		Apr. 12.	Apr. 19.	Apr. 26.	May 3.
Birkenhead	10·9	16·4	17·9	19·4	Liverpool -	21·4	23·8	21·9	23·6
Birmingham	18·2	20·8	16·5	16·1	London -	19·1	19·0	18·5	18·1
Blackburn -	28·3	16·0	25·3	21·9	Manchester	31·5	30·0	30·4	33·1
Bolton -	28·8	34·7	23·9	36·0	Newcastle-on-Tyne	24·0	28·8	30·7	25·3
Bradford -	22·5	22·5	22·3	22·8	Norwich -	21·9	20·8	19·1	24·6
Brighton -	18·1	19·8	16·0	15·6	Nottingham	18·3	14·7	19·4	13·6
Bristol -	16·8	17·1	20·0	20·9	Oldham -	22·7	25·6	18·8	21·3
Cardiff -	15·6	16·0	24·5	17·8	Plymouth -	23·8	17·9	20·5	21·8
Derby -	24·8	26·4	24·8	27·9	Portsmouth -	15·3	17·1	20·8	15·7
Halifax -	30·5	28·0	24·8	15·9	Preston -	18·3	21·3	25·3	24·8
Huddersfield	20·5	18·8	17·1	21·6	Salford -	22·4	20·4	27·1	25·8
Hull -	21·5	20·2	18·0	21·0	Sheffield -	23·7	31·6	29·1	29·6
Leeds -	23·4	25·8	22·8	21·5	Sunderland -	19·9	20·6	22·9	27·1
Leicester -	15·9	10·8	17·9	16·6	Wolverhampton -	28·1	16·3	20·0	20·6

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·1 in Birmingham, 1·3 in Plymouth, and 4·1 in Derby; from *scarlet fever*, 1·3 in Plymouth and 1·5 in Sunderland; and from *whooping-cough*, 1·0 in London and in Birkenhead, 1·3 in Bristol, 1·4 in Liverpool and in Oldham, 1·9 in Salford, and 2·1 in Brighton. The rate from *fever* did not reach 1·0 per 1000 in any of the twenty-eight towns. The 38 deaths from *diphtheria* included 18 in London, 10 in Salford, 3 in Manchester, and 3 in Liverpool. One death from *small-pox* was registered in London, and one in Hull.

### LONDON.

In LONDON 2613 BIRTHS and 1533 DEATHS were registered. Allowing for increase of population, the births were 250, and the deaths 90, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the three preceding weeks from 19·1 to 18·5, further fell last week to 18·1. During the first five weeks of the current quarter the death-rate averaged 18·3 per 1000, which was 1·9 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1533 deaths included one from small-pox, 67 from measles, 15 from scarlet fever, 18 from diphtheria, 86 from whooping-cough, one from typhus, 6 from enteric

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881: nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



fever, 21 from diarrhœa and dysentery, and not one from ill-defined forms of continued fever or from cholera; thus, 215 deaths were referred to these diseases, being 20 below the corrected average weekly number.

One death (of a female, aged 60 years, in Queen's Road, Marylebone) from *small-pox* was registered, the corrected weekly average being 18. Three cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 65 and 61 in the two previous weeks, increased last week to 67, and were 2 above the corrected average; 5 belonged to Kensington, 5 to St. George Hanover Square, 7 to Marylebone, 12 to Islington, 4 to Poplar, and 5 to Battersea sanitary areas. The fatal cases of *scarlet fever*, which had increased in the four previous weeks from 8 to 17, declined last week to 15, and were 13 below the corrected average; 2 belonged to Hackney, 2 to Clerkenwell, and 2 to St. George-in-the-East sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1102 scarlet fever patients at the end of the week, against numbers increasing in the four preceding weeks from 1083 to 1113; 95 cases were admitted to these hospitals during the week, against 83 and 95 in the two preceding weeks. The 18 deaths from *diphtheria*, though 2 below the number in the previous week, were one above the corrected average; 2 belonged to Hammersmith, 2 to Fulham, 3 to Islington, 2 to Mile End Old Town, and 2 to Poplar sanitary areas. The deaths from *whooping-cough*, which had been 106 and 88 in the two preceding weeks, further declined last week to 86, exceeding the corrected average, however, by 9; 4 belonged to St. George Hanover Square, 4 to Pancras, 6 to Hackney, 5 to Clerkenwell, 8 to Shoreditch, 6 to Stepney, and 4 to Camberwell sanitary areas. The deaths from *diarrhœa*, which had been 10, 11, and 13 in the three preceding weeks, further increased last week to 21, exceeding the corrected average by 5; 14 were of children under one year of age.

The deaths referred to *enteric fever*, which had been 8 and 6 in the two previous weeks, were again 6 last week, and were 4 below the corrected average; 3 belonged to the South group of sanitary areas. The Metropolitan Asylum Hospitals contained 68 cases of enteric fever, and 2 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 5 and 9 in the two previous weeks.

The deaths primarily attributed to *influenza*, which had numbered 9 and 6 in the two preceding weeks, further declined last week to 2.

The deaths referred to diseases of the respiratory organs, which had declined in the three preceding weeks from 384 to 345, further fell last week to 326, being 10 below the corrected average.

Different forms of violence caused 61 deaths, concerning all but 2 of which inquests were held. Of these 61 deaths, 8 were cases of suicide, while the remaining 53 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 1 by burns or scalds, 2 by poison, 5 by drowning, and 17 (including 16 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3439 births and 1957 deaths were registered, corresponding to annual rates of 31.1 and 17.7 per 1000 of the estimated population. In the Outer Ring 24 deaths were referred to whooping-cough, 18 to measles, and 5 to diphtheria. The deaths from whooping-cough included 5 in West Ham, 4 in Stratford, and 4 in Walthamstow sub-districts. Seven deaths from measles were recorded in Tottenham and 6 in Croydon sub-districts, and 3 deaths from diphtheria in Walthamstow sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.74 ins.; the highest reading was 29.83 ins. on Sunday evening, and the lowest 29.63 ins. at the end of the week. The mean temperature of the *air* was 50°·7, and 2°·0 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday and on Monday, but showed an excess on each of the other days of the week. The direction of the *wind* was variable, and the horizontal movement of the air averaged 8.5 miles per hour, which was 2.5 miles below the average in the corresponding weeks of 16 years. *Rain* fell on Monday to the amount of 0.07 of an inch. The duration of registered bright sunshine in the week was 63.9 hours, against 58.4 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 3rd May 1890.

CITIES AND BOROUGH.	Registered during the Week ending 3rd May, 1890.		The Deaths registered in the Week include												TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGH.			
	POPULATION estimated to the middle of the year 1890.*	BIRTHS.	DEATHS.	Deaths from												Mean.	In Inches.	In Cent.						
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.				Unidentified Causes of Death.	From All Causes.		From Diseases in Cols. 6-12.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
28 TOWNS	9,715,559	5907	3851	819	869	2	104	49	38	161	25	39	139	254	660	84	20·6	2·2	68·5	32·0	48·2	9·00	0·14	0·36
LONDON	4,421,661	2613	1553	337	375	1	67	15	18	86	7	21	61	124	342	12	18·1	2·5	68·9	35·9	50·7	10·39	0·07	0·18
BRIGHTON	123,659	58	37	11	7	-	-	-	-	5	-	-	1	1	4	1	15·6	2·1	67·0	39·0	50·0	10·00	0·01	0·03
PORTSMOUTH	142,952	92	43	9	17	-	-	-	-	1	1	1	2	2	10	-	15·7	1·1	-	-	-	-	-	-
NORWICH	95,352	86	45	6	9	-	-	-	-	1	1	-	2	4	5	1	24·6	1·1	-	-	-	-	-	-
PLYMOUTH	78,780	40	33	6	12	-	2	2	-	-	-	-	-	2	9	1	21·8	2·6	63·5	59·8	51·1	10·61	0·60	1·52
BRISTOL	282,248	156	93	17	25	-	-	3	-	6	2	-	4	7	15	1	20·9	2·5	67·0	35·0	47·6	8·87	0·23	0·53
WOLVERHAMPTON	53,406	61	33	5	10	-	-	-	-	-	1	-	-	2	6	-	20·6	0·6	65·4	33·6	45·3	7·67	0·07	0·18
BIRMINGHAM	461,865	293	143	42	24	-	10	4	1	4	-	2	6	7	9	6	16·1	2·4	-	-	-	-	-	-
LEICESTER	164,344	15	40	14	7	-	-	1	-	-	2	-	2	3	7	2	16·6	1·0	-	-	-	-	-	-
NOTTINGHAM	244,969	120	64	20	13	-	-	1	-	-	-	-	-	5	2	13·6	0·9	64·3	39·3	48·6	9·22	0·00	0·00	
DERBY	100,871	62	54	6	20	-	8	-	-	1	-	-	2	6	10	1	27·9	4·7	-	-	-	-	-	-
BIRKENHEAD	105,049	70	39	8	13	-	-	-	-	2	-	1	17	17	57	20	19·4	1·0	-	-	-	-	-	-
LIVERPOOL	613,453	353	278	54	35	-	10	6	3	17	1	1	1	6	2	1	23·6	3·2	64·7	40·1	50·1	10·06	0·16	0·41
ROLTON	115,846	75	80	11	18	-	-	2	-	-	-	1	1	6	2	1	39·0	2·3	-	-	-	-	-	-
MANCHESTER	579,487	280	241	40	53	-	3	2	3	3	5	3	6	20	53	3	33·1	2·6	-	-	-	-	-	-
SALFORD	242,569	159	120	23	23	-	-	2	10	9	-	2	4	8	19	4	25·8	4·9	-	-	-	-	-	-
OLDHAM	146,716	66	30	13	12	-	-	1	-	-	-	-	3	5	4	1	21·3	1·8	-	-	-	-	-	-
BLACKBURN	123,513	91	52	9	12	-	-	-	-	-	1	1	1	1	6	-	21·9	0·8	-	-	-	-	-	-
PRESTON	105,163	86	50	13	13	-	-	-	-	-	1	1	1	2	7	-	24·8	1·0	-	-	-	-	-	-
HUDDERSFIELD	54,253	59	29	6	11	-	-	-	-	-	1	1	3	2	7	5	21·6	1·1	-	-	-	-	-	-
HALIFAX	82,034	47	25	6	9	-	-	-	-	-	-	-	2	2	2	3	15·9	0·0	-	-	-	-	-	-
BRADFORD	240,515	124	105	19	24	-	1	-	-	3	-	2	2	3	13	3	22·8	1·3	63·2	36·0	46·8	8·22	0·07	0·18
LEEDS	268,799	168	120	38	33	-	2	1	-	6	1	-	5	9	15	3	21·5	1·4	-	-	-	-	-	-
SHEFFIELD	332,437	265	189	35	47	-	1	4	-	-	-	1	4	4	19	10	29·6	1·6	-	-	-	-	-	-
HULL	213,833	127	86	24	14	1	-	1	1	2	-	-	5	5	7	4	21·0	1·2	63·0	32·0	45·6	7·56	0·04	0·10
SUNDERLAND	156,100	98	71	16	14	-	-	4	1	1	1	-	3	6	9	-	27·1	2·3	-	-	-	-	-	-
NEWCASTLE	162,987	141	79	20	13	-	-	-	1	2	1	-	2	3	10	-	25·3	1·3	57·0	36·0	45·3	7·39	0·11	0·23
CARDIFF	117,012	52	40	11	6	-	-	-	-	1	-	-	1	2	6	1	17·8	0·4	-	-	-	-	-	-
EDINBURGH	271,135	150	110	24	28	-	6	1	-	5	-	2	5	1	19	20	21·2	2·7	63·5	35·5	49·4	9·67	0·21	0·53
GLASGOW	530,198	417	337	71	48	-	21	5	2	22	3	3	9	2	39	34	33·1	5·5	66·4	31·0	49·6	9·78	0·03	0·20
DUBLIN	353,082	149	172	25	48	-	1	-	3	2	4	3	2	4	47	15	25·4	1·9	61·6	32·2	43·1	8·94	0·59	1·50

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the EIGHTEENTH Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2823	2515	2740	2545	2541	2429	2706	2597	2650	2712	2863·3	2613
Males . .	1437	1304	1406	1283	1331	1235	1374	1276	1323	1393	1457·6	1373
Females .	1386	1211	1334	1262	1210	1194	1332	1321	1322	1319	1405·7	1240
<b>TOTAL Deaths</b>	1416	1472	1495	1504	1697	1465	1491	1531	1429	1386	1623·3	1533
Males . .	755	764	768	792	876	778	803	824	719	729	851·5	811
Females .	661	708	727	712	821	687	688	707	710	657	771·8	722

\* The numbers in this column are the average weekly numbers in the eighteenth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Feb. 8.	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.
<b>TOTAL Births</b>	2707	2793	2702	2561	2536	2717	2534	2543	2329	2360	2935	2538	2613
<b>TOTAL Deaths</b>	1749	1809	1847	1802	1889	1771	1637	1571	1419	1619	1611	1567	1533
<b>Ages at Death</b>													
{ 0–20 years	714	763	753	739	798	776	729	743	657	774	782	742	721
{ 20–40 "	238	218	256	234	226	196	193	204	183	204	177	197	210
{ 40–60 "	334	357	363	324	343	303	296	264	239	275	282	255	227
{ 60–80 "	363	390	374	418	423	404	342	309	285	308	291	313	305
{ 80 years & upwards	100	81	101	87	89	92	77	51	55	58	79	60	70
<b>" { Under 1 year</b>	372	352	393	367	394	392	331	366	310	372	356	369	337
{ 1–5	254	306	259	263	294	271	270	304	253	298	322	286	294
{ 5–20	88	105	101	109	110	113	78	73	94	104	104	87	90
<b>Deaths from Small-pox</b>	—	—	1	—	—	—	—	—	—	—	—	—	1
" " Measles	8	21	14	19	35	35	45	45	35	54	65	61	67
" " Scarlet fever	19	14	13	14	12	18	11	10	8	12	13	17	15
" " Diphtheria	24	39	27	24	19	25	23	30	20	21	17	20	18
" " Whooping-cough	91	115	103	97	95	86	76	101	84	79	106	83	86
" " Typhus	—	—	—	—	—	—	—	—	—	1	—	—	1
" " Enteric fever	2	12	8	7	4	3	7	7	2	4	8	6	6
" " Simple Contag fever	—	1	1	1	1	1	—	1	1	—	—	1	—
" " Diarrhoea and Dysentery	4	6	21	12	9	14	14	13	10	10	11	13	21
" " Cholera	—	—	—	—	—	—	—	—	—	—	—	—	—
" " all the above-mentioned Diseases	148	208	188	174	175	182	176	207	160	181	220	206	215
" " Dis. of Respiratory System	485	439	452	492	510	447	381	375	296	334	280	345	326
" " Phthisis	209	215	218	224	206	164	169	154	180	174	189	154	143
" " Dis. of Circulatory System	154	143	162	146	163	145	148	120	114	151	133	119	140
<b>Violent Deaths</b>	58	56	77	52	65	76	49	61	36	60	41	61	61
<b>Inquest Cases</b>	125	137	143	134	120	162	115	117	85	133	105	125	124
<b>Deaths in Public Institutions</b>	401	436	434	425	406	390	406	377	362	382	338	374	342
<b>TEMPERATURE OF THE AIR</b>													
Mean	37·1	35·9	39·4	35·4	36·4	45·3	43·3	49·0	43·8	43·2	46·1	47·1	50·7
Mean of Highest readings	42·7	41·7	43·9	42·0	43·6	54·0	52·0	57·3	54·9	52·0	53·8	56·7	62·2
Mean of Lowest readings	32·0	30·8	35·9	30·4	29·0	37·6	36·0	42·6	33·1	37·0	39·9	40·1	38·9
<b>Humidity of the Air</b>	89	87	89	87	69	79	82	84	72	72	81	82	67
<b>Rain-fall in inches</b>	0·05	0·38	0·04	0·22	0·33	0·24	0·31	0·41	0·00	0·29	0·38	1·00	0·07
<b>Registered Sunshine (in hours)</b>	9·5	31·2	12·4	9·7	12·1	23·1	21·5	14·6	59·8	22·0	27·0	15·9	63·9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the EIGHTEENTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 18th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 3rd May 1890.										CAUSES OF DEATH.	Corrected Averages for the 18th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 3rd May 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.						
			0-1.	1-5.	5-20.						0-1.							1-5.	5-20.				
ALL CAUSES - -	1623·3	1533	337	294	90	210	227	305	70			Diseases of Organs of Special Sense † - -	1·6	3	1	-	1	-	1	-	-	-	
Small-pox { Vaccinated † - -	18·2 {	-	-	-	-	-	-	-	-			Diseases of Circulatory System - - -	122·8	140	4	1	6	21	51	47	10		
Unvaccinated - - -		1	-	-	-	-	-	1	-			Croup - - - - -	12·0	8	1	5	2	-	-	-	-	-	
No Statement - - -		-	-	-	-	-	-	-	-			Quincy, Sore Throat † -	179·3	155	48	32	2	5	15	45	8	-	
Measles - - - - -	65·3	67	11	53	3	-	-	-	-			Pneumonia - - - - -	102·7	131	22	43	2	22	23	17	2	-	
Scarlet Fever - - -	28·4	15	-	12	2	1	-	-	-			Pleurisy - - - - -	6·1	8	-	1	1	3	1	2	-	-	
Typhus - - - - -	1·5	1	-	-	1	-	-	-	-			Other Diseases of Respiratory System - -	35·9	24	4	6	2	-	2	9	1	-	
Relapsing Fever † -	0·0	-	-	-	-	-	-	-	-			Dentition † - - - - -	19·3	19	12	7	-	-	-	-	-	-	
Influenza - - - - -	0·1	2	-	-	-	1	-	1	-			Quincy, Sore Throat † -	1·9	1	-	-	-	-	-	-	-	-	
Whooping-cough - -	76·7	86	36	49	1	-	-	-	-			Enteritis - - - - -	6·2	5	1	-	-	2	1	1	-	-	
Diphtheria - - - -	17·1	18	2	7	8	-	-	1	-			Peritonitis - - - - -	7·1	7	-	-	2	2	1	-	-	-	
Simple Continued and Ill-defined Fever -	1·5	-	-	-	-	-	-	-	-			Diseases of Liver - - -	23·7	31	2	1	-	3	12	12	1	-	
Enteric Fever - - -	9·9	6	-	1	2	-	3	-	-			Other Diseases of Digestive System -	28·8	33	5	3	3	4	5	13	3	-	
Cholera - - - - -	0·3	-	-	-	-	-	-	-	-			Diseases of Lymphatic System & of Ductless Glands † - - - -	2·5	1	-	-	1	-	-	-	-	-	
Diarrhoea, Dysentery	15·8	21	14	2	1	1	1	-	2			Diseases of Urinary System - - - - -	47·2	33	2	-	1	4	12	14	3	-	
Remittent Fever † -	0·3	2	-	-	-	2	-	-	-			Diseases of Generative System - - - - -	6·1	2	-	-	-	1	1	-	-	-	
Hydrophobia - - -	0·0	-	-	-	-	-	-	-	-			Accidents of Childbirth -	4·6	6	-	-	-	6	-	-	-	-	
Glanders - - - - -	0·0	-	-	-	-	-	-	-	-			Diseases of Locomotive System † - - - -	7·1	12	1	1	6	1	1	2	-	-	
Cowpox and Effects of Vaccination † - - -	0·3	-	-	-	-	-	-	-	-			Diseases of Integumentary System - - -	4·8	4	1	-	-	-	-	2	1	-	
Venereal Affections -	12·2	9	3	2	-	3	-	1	-			VIOLENT DEATHS. ‡											
Erysipelas - - - -	6·2	6	1	-	1	1	1	2	-			(ACCIDENT.)											
Pyæmia and Septicæmia †	4·0	5	1	-	1	2	-	1	-			Fracture and Contusion	22·2	23	2	3	2	4	4	5	-	-	
Puerperal Fever - -	6·9	4	-	-	4	-	-	-	-			Gunshot Wound - - -	0·1	-	-	-	-	-	-	-	-	-	
Other Zymotic Diseases †	2·3	3	-	-	1	1	-	1	-			Cut, Stab - - - - -	0·5	-	-	-	-	-	-	-	-	-	
Thrush - - - - -	1·7	1	1	-	-	-	-	-	-			Burn and Scald - - -	5·5	1	-	1	-	-	-	-	-	-	
Worms and other Parasitical Diseases - - -	0·8	1	-	-	-	-	-	1	-			Poison - - - - -	2·0	2	-	1	-	-	-	1	-	-	
Starvation, Want of Breast-milk † - - -	1·7	2	2	-	-	-	-	-	-			Drowning - - - - -	5·7	5	-	-	1	4	-	-	-	-	
Alcoholism - - - -	5·2	3	-	-	-	2	-	1	-			Suffocation - - - -	13·4	17	16	-	-	-	-	-	-	-	
Rheumatic Fever, Rheumatism of Heart †	5·0	5	-	-	1	1	1	1	1			Otherwise - - - - -	2·6	5	4	-	-	1	-	-	-	-	
Rheumatism † - - -	3·6	-	-	-	-	-	-	-	-			(HOMICIDE.)											
Gout - - - - -	3·3	2	-	-	-	-	-	2	-			Murder & Manslaughter	1·2	-	-	-	-	-	-	-	-	-	
Rickets † - - - - -	3·6	5	1	4	-	-	-	-	-			(SUICIDE.)											
Cancer - - - - -	55·1	58	-	-	-	7	19	29	1			Gunshot Wound - - -	0·3	2	-	-	-	2	-	-	-	-	
Tabes Mesenterica -	24·0	18	10	6	1	1	-	-	-			Cut, Stab - - - - -	1·3	1	-	-	-	1	1	-	-	-	
Tubercular Meningitis	31·5	24	5	15	4	-	-	-	-			Poison - - - - -	1·5	3	-	-	-	1	2	-	-	-	
Phthisis - - - - -	173·9	143	-	3	15	71	43	10	1			Drowning - - - - -	1·3	1	-	-	-	-	-	-	-	-	
Scrofula, Tuberculosis	19·6	23	7	5	1	9	1	-	-			Hanging - - - - -	2·5	-	-	-	-	-	-	-	-	-	
Other Constitutional Diseases † - - -	11·0	7	-	-	1	-	3	3	-			Otherwise - - - - -	0·7	1	-	-	-	1	-	-	-	-	
Premature Birth - -	36·1	36	36	-	-	-	-	-	-			(EXECUTION.)											
Atelectasis † - - -	2·4	2	2	-	-	-	-	-	-			Hanging - - - - -	0·0	-	-	-	-	-	-	-	-	-	
Congenital Malformations - - -	8·7	4	4	-	-	-	-	-	-			OTHER CAUSES † - -	55·8	33	31	3	1	-	1	1	1	1	
Old Age - - - - -	49·7	43	-	-	-	-	-	22	21														
Apoplexy - - - - -	45·0	42	1	-	-	5	9	21	6														
Epilepsy - - - - -	7·7	10	-	1	3	6	-	-	-														
Convulsions - - - -	43·6	41	33	8	-	-	-	-	-														
Other Diseases of Brain and Nervous System	94·7	91	10	18	10	4	9	32	8														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9·045 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																		
REGISTRATION		Enu- mer- ated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from												Deaths in Public Institutions.	Un- certified Causes.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 40 Years & up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.			
LONDON		3,815,703	2613	1533	337	375	1	67	15	18	86	1	6	-	21	61	124	342		
West Districts - - - -		683,633	388	270	53	76	-	18	2	4	12	-	1	-	6	15	20	80		
North Districts - - - -		905,947	604	356	71	85	1	21	8	5	14	-	1	-	7	12	23	67		
Central Districts - - - -		282,238	143	116	25	22	-	4	-	2	7	-	-	-	1	7	12	33		
East Districts - - - -		692,738	508	319	77	73	-	12	2	5	25	-	1	-	3	11	36	79		
South Districts - - - -		1,265,148	973	472	111	119	-	13	3	2	28	1	3	-	4	16	33	83		
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Districts.																				
St. Mary Paddington WHH G.J. & W.M.		69888	47	35	9	10	-	1	-	-	1	-	-	-	1	4	4	6		
St. John Paddington H - - G.J.		97339	8	13	-	-	-	2	-	-	-	-	-	-	1	-	2	7		
Kensington Town Ww - - W.M.		120141	68	53	13	17	-	5	-	-	3	-	-	-	2	-	14	-		
Brompton H - - W.M. & C.		43010	18	16	2	5	-	-	-	-	-	-	-	-	8	3	6	-		
St. Peter Hammersmith - - W.M.		7599	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H - W.M. & G.J.		64340	50	17	3	5	-	1	-	2	-	-	-	-	1	1	2	-		
Fulham Ww - - W.M. & C.		42900	53	31	6	7	-	4	2	2	-	-	-	-	1	1	11	-		
Chelsea South HHH - - C.		30396	13	7	3	2	-	-	-	-	1	-	-	-	-	-	2	-		
Chelsea North-west WHHHHH - C.		24925	14	14	-	6	-	-	-	-	1	-	-	-	1	1	5	-		
Chelsea North-east - - C.		32807	27	11	3	1	-	1	-	-	-	1	-	-	-	-	-	-		
May Fair WW - - G.J.		30353	6	8	2	6	-	-	-	-	-	-	-	-	-	-	7	-		
Belgrave WHHH - - C.		59220	32	27	7	3	-	4	-	-	4	-	-	-	-	3	9	-		
St. John Westminster HHH - C.		35496	22	8	2	1	-	-	1	-	-	-	-	-	1	1	2	-		
St. Margaret Westminster H - C.		24679	6	13	2	4	-	-	-	-	-	-	-	-	-	1	2	3		
St. James Westminster WHH N.R. & G.J.		29041	14	8	-	3	-	-	-	-	-	-	-	-	-	1	1	-		
St. Anne Soho HHHHHH - N.R.		18608	3	7	-	2	-	-	-	-	-	-	-	-	-	1	1	2		
North Districts.																				
All Souls Marylebone HHHHH W.M.		26759	17	12	2	3	-	-	-	-	1	-	-	-	1	-	-	5		
Cavendish Square HHHH - W.M.		14391	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rectory Marylebone WH G.J. & W.M.		24809	15	12	1	6	-	-	-	1	-	-	-	-	-	-	-	-		
St. Mary Marylebone HHH G.J. & W.M.		21118	26	12	1	3	-	2	-	-	-	-	-	-	-	1	3	-		
Christchurch Marylebone HH - W.M.		33700	29	13	4	2	-	3	-	-	-	-	-	-	-	-	-	-		
St. John Marylebone H - W.M.		33633	17	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-		
Hampstead WWHHHH N.R. & W.M.		45432	26	21	4	11	-	-	1	-	-	-	-	-	2	-	5	-		
Regent's Park Pancras H - W.M.		39115	28	9	2	2	-	-	-	1	-	-	-	-	-	1	2	-		
Tottenham-court WHHHH N.R. & W.M.		27723	9	12	1	1	-	-	-	1	-	-	-	-	-	1	9	-		
Gray's Inn Lane HHH - N.R.		30247	14	9	-	1	-	1	-	1	-	-	-	-	-	1	2	-		
Somers Town H - - N.R.		34389	24	11	4	1	-	-	-	1	-	-	-	-	1	1	2	3		
Camden Town WH - - N.R.		17311	10	15	3	9	-	-	-	-	-	-	-	-	1	2	8	-		
Kentish Town W - - N.R.		87487	49	35	9	5	-	-	-	1	-	-	-	-	1	1	2	7		
Upper Holloway WWWH - N.R.		67946	56	43	10	14	-	2	-	2	-	-	-	-	-	-	14	-		
Islington South-west HH - N.R.		100676	76	37	4	2	-	-	-	-	-	-	-	-	-	1	2	-		
Islington South-east - - N.R.		61835	34	21	6	2	-	3	1	1	-	-	-	-	-	-	-	-		
Highbury H - - N.R.		52043	24	14	3	4	-	-	-	-	1	-	-	-	-	-	1	-		
Stoke Newington H - - N.R.		22781	18	7	2	2	-	-	-	-	1	-	-	-	-	1	1	-		
Stamford Hill - - E.L.		9277	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney H - - N.R.		37610	23	8	1	4	-	-	-	-	-	-	-	-	-	-	-	-		
Hackney WwWH - - E.L. & N.R.		76911	66	35	9	10	-	6	1	4	-	1	-	1	1	2	12	-		
South Hackney - - E.L.		39883	32	15	2	2	-	1	-	-	1	-	-	-	2	3	-	-		
Central Districts.																				
St. George Bloomsbury - - N.R.		16681	7	8	3	1	-	1	-	-	-	-	-	-	-	-	1	-		
St. Giles South WH - - N.R.		14884	7	12	-	5	-	-	-	-	-	-	-	-	-	-	-	6		
St. Giles North - - N.R.		13837	6	3	-	1	-	1	-	-	-	-	-	-	-	-	-	-		
St. Martin-in-the-Fields HH N.R. & C.		17508	4	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Mary-le-Strand H - - N.R.		7515	2	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2		
St. Clement Danes H - - N.R.		8559	1	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Strand Union Workhouse, Edmonton w.		-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-		
St. Geo.-the-Martyr HHHHHH N.R.		18671	9	6	1	2	-	-	-	-	-	-	-	-	-	-	1	3		
St. Andrew Eastern W - - N.R.		10706	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Saffron Hill H - - N.R.		6553	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - - N.R.		17516	11	7	1	1	-	-	-	-	-	-	-	-	-	1	1	-		
Amwell Clerkenwell - - N.R.		19281	8	10	4	2	-	-	-	2	-	-	-	-	1	1	-	-		
Pentonville - - N.R.		14773	11	9	4	-	-	-	-	-	1	-	-	-	-	-	2	-		
Goswell-street - - N.R.		17506	16	4	1	1	-	-	-	1	-	-	-	-	-	1	-	-		
Old-street H - - N.R.		11541	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HHL - - N.R.		18628	14	7	3	-	-	-	-	-	1	-	-	-	-	-	-	-		
Whitecross-street - - N.R.		9217	6	3	-	-	-	1	-	-	-	-	-	-	-	-	1	-		
Finsbury - - N.R.		7463	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitham; w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - - N.R. & E.L.		11174	2	8	1	1	-	-	-	-	-	-	-	-	-	-	1	-		
Cripplegate - - N.R.		7193	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
St. Sepulchre H - - N.R.		5356	3	17	1	4	-	-	-	-	-	-	-	-	-	-	-	-		
St. Bride W - - N.R.		8396	5	2	1	-	-	-	-	-	-	-	-	-	3	4	16	-		
Alhallowes Barking - - N.R.		13666	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - - N.R.		5652	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts—viz. J. signifies Great Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

REGISTRATION  
SUB-DISTRICTS.

REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of												Deaths in Public Institutions.	Uncertified Causes of Death.
					Infants under 1 Year of Age.	Persons aged 50 Years & upwards.	Small-pox.	Miscellaneous.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Summer con- tinued Fever.	Diarrhoea.	Violence.		
EAST DISTRICTS.																		
Beddith South†	HL*	- N.R.	22843	11	9	2	1	-	1	-	-	2	-	-	1	1		
ton New Town	w	- N.R.	29887	15	14	3	8	-	1	-	-	5	-	-	2	1		
ton Old Town	-	- N.R.	28036	21	14	6	8	-	1	-	-	-	-	-	1	3		
gerston	WH	- N.R. & E.L.	46276	32	18	2	6	-	-	-	-	-	-	-	2	8		
inal Green North	H	- E.L.	51157	38	21	3	3	-	-	-	1	-	-	-	1	1		
inal Green South	-	- E.L.	34389	29	10	4	2	-	1	-	-	-	-	-	1	7		
inal Green East	WHL*	- E.L.	41405	21	17	3	6	-	-	1	1	-	-	-	-	-		
alfelds	-	- E.L. & N.R.	22585	23	8	2	1	-	1	-	-	-	-	-	2	3		
End New Town	W	- E.L.	15473	10	9	2	2	-	-	-	-	-	-	-	-	7		
echapel Church	H	- E.L. & N.R.	17490	17	10	5	3	-	-	1	-	-	1	-	2	15		
uman's Fields	-	- E.L.	9713	4	2	1	1	-	-	-	-	-	-	-	-	-		
rate	-	- N.R. & E.L.	6102	5	6	2	2	-	-	-	2	-	-	-	-	-		
George's, North	-	- E.L.	38747	39	16	7	4	-	-	-	1	-	-	1	5	-		
ohn, St. George East	W	- E.L.	8410	9	10	3	4	-	3	-	-	-	-	1	-	6		
well	H	- E.L. & N.R.	10995	1	6	2	-	-	-	-	1	-	-	-	1	4		
iff	-	- E.L.	16107	8	3	-	1	-	-	-	-	-	-	-	-	-		
house	-	- E.L.	32041	25	19	6	4	-	1	-	5	-	-	-	2	-		
End Old Town West	H	- E.L.	37980	33	17	7	9	-	-	1	1	-	-	-	-	-		
End Old Town East	WwH	- E.L.	67653	42	28	4	9	-	-	-	-	-	-	-	2	6		
L*	-	- E.L.	37074	52	7	1	2	-	1	1	1	-	-	-	1	-		
ney	wwH	- E.L.	64359	46	45	8	9	-	2	-	1	-	-	-	-	18		
ar	WWH	- E.L.	55077	47	21	6	1	-	1	-	1	2	-	1	2	3		
SOUTH DISTRICTS.																		
church Southwark	WH	- L. & S.	13603	8	2	-	-	-	-	-	-	-	-	-	1	-		
aviary Southwark	-	- S.	14999	6	2	-	-	-	2	-	-	-	-	-	1	-		
-road	-	- S. & L.	21321	17	7	1	1	-	-	-	-	-	-	-	1	2		
ch-road	WH	- S. & L.	15953	8	5	2	1	-	-	-	-	-	-	-	1	-		
on-road	HL	- L. & S.	21319	15	8	1	1	-	-	-	-	-	-	-	-	-		
by Newington	-	- S. & L.	25672	22	6	2	2	-	-	-	1	-	-	-	-	6		
eter Walworth	W	- S. & L.	39555	45	26	6	12	-	2	-	-	-	-	-	1	1		
ary Newington	-	- L. & S.	21623	18	10	1	2	-	-	-	-	-	-	-	1	1		
ave	WH	- S.	11956	5	15	1	1	-	-	1	-	-	-	-	1	2		
her Market	-	- S. & L.	16890	9	6	3	1	-	-	-	-	-	-	-	1	1		
ary Magdalen	W	- S.	15659	13	8	-	3	-	-	-	-	-	-	-	-	2		
ames Baldwin	-	- S.	54683	27	19	7	3	-	1	-	1	-	-	-	1	5		
erithe	WH	- S. & K.	36024	19	16	2	3	-	-	-	-	-	-	-	-	-		
arlo-road 1st	H	- L. & S.	15195	17	12	8	1	-	2	-	1	-	-	-	1	2		
arlo-road 2nd	H	- L. & S.	16351	18	5	3	1	-	-	-	-	-	-	-	1	-		
eth Church 1st	H	- L. & S.	19876	14	10	2	2	-	-	-	-	-	-	-	1	3		
eth Church 2nd	WW	- L. & S.	39859	37	12	4	3	-	-	1	-	-	-	-	-	7		
ington 1st	-	- S. & L.	45322	39	17	7	7	-	-	-	-	-	-	-	1	-		
ington 2nd	-	- S. & L.	35332	17	2	-	1	-	-	-	-	-	-	-	1	-		
on	ww	- L. & S.	62837	39	20	2	7	-	-	-	1	-	1	-	-	1		
road	W	- L.	19017	15	8	-	4	-	-	-	-	-	-	-	-	-		
Battersea	-	- S.	54675	54	25	5	5	-	3	-	2	-	1	-	1	1		
Battersea	WwH	- S.	52357	45	19	6	1	-	1	-	-	-	-	-	1	4		
am	H	- S.	36940	16	10	4	1	-	-	-	-	-	-	-	-	1		
dsworth	WHL	- S.	58004	35	9	3	3	-	-	-	2	-	-	-	-	1		
ry	-	- S.	18235	11	6	-	3	-	-	-	-	-	-	-	-	-		
tham	-	- L.	25563	27	5	1	2	-	-	-	1	-	-	-	-	-		
eh	-	- L. & S.	5590	1	2	-	1	-	-	-	-	-	-	-	1	-		
erwell	WwL*L*	- S. & L.	59104	50	23	5	12	-	-	-	1	-	-	-	1	17		
ham	W	- S., L. & K.	71039	43	25	7	7	-	-	-	3	-	1	-	1	2		
george Camberwell	-	- L. & S.	60810	46	14	2	1	-	-	-	-	-	1	-	2	1		
on Deptford	ww	- K.	76752	63	29	10	4	-	1	-	3	-	-	-	1	-		
icholas Deptford	-	- K.	7901	5	2	-	1	-	-	-	-	-	-	-	-	-		
wich West	H	- K.	21972	13	6	1	1	-	-	-	-	-	-	-	1	-		
wich East	WHH	- K.	24608	18	16	2	4	-	-	-	-	-	-	-	2	3		
on	H	- K.	5048	5	2	-	1	-	-	-	-	-	-	-	-	-		
H	-	- K.	21559	10	6	2	3	-	-	-	2	-	-	-	-	-		
sham	WH	- K.	19865	14	2	-	2	-	-	-	-	-	-	-	-	-		
sham	H	- L.	26076	21	8	1	2	-	-	-	1	-	-	-	-	1		
ton H//	-	- K.	10930	5	6	-	1	-	-	1	-	-	-	-	-	3		
wich Dockyard	-	- K.	17617	14	8	4	1	-	-	-	-	-	-	-	-	-		
wich Arsenal	HH	- K.	19044	15	3	1	1	-	-	-	-	-	-	-	-	-		
stead, West	H	- K.	14009	12	2	2	-	-	-	-	-	-	-	-	-	-		
stead, East	W	- K.	19241	28	14	1	3	-	1	-	2	-	-	2	2	3		
opolitan Asylum Hospitals:																		
artford	w	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
inchmore Hill	w	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page) :—

[illegible]



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 3rd May, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,324	950,957	826	424	83	113	-	18	-	5	24	2	1	15	20	59	
30:1	Carshalton <i>wL</i> -	12228	21118	13	20	3	10	-	-	-	-	1	-	-	-	-	14	
2	Epsom (part of)* <i>WwH</i> -	9971	10710	8	5	-	2	-	-	-	-	-	-	-	-	-	4	
37:1	Godstone (part of)* -	2754	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i> -	20851	101241	55	41	8	14	-	6	-	-	1	-	-	-	-	10	
2	Mitcham <i>w†</i> -	11697	17932	19	5	1	2	-	2	-	-	-	-	-	-	-	-	
39:1	Wimbledon <i>HHH</i> -	3220	15950	18	5	-	4	-	-	-	-	-	-	-	1	1	-	
2	Kingston <i>WHH</i> -	8549	36354	50	15	2	5	-	-	-	-	-	-	-	-	-	-	
3	Esher (part of)* -	6901	9221	4	2	-	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4373	13539	12	5	1	1	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i> -	2272	21302	11	9	2	3	-	-	-	-	-	-	-	2	3	3	
2	Mortlake -	2941	12331	10	8	2	-	-	-	-	-	2	-	-	1	1	-	
41:1	Bromley (pt. of)* <i>HH</i> -	15669	31142	25	17	4	5	-	-	-	1	1	-	-	2	2	2	
2	Chislehurst (pt. of)* <i>WHH</i> -	14307	15844	15	6	-	2	-	-	-	-	-	-	-	1	1	3	
42:1	Bexley <i>H</i> -	18437	24134	13	7	1	1	-	-	-	-	1	-	-	2	2	-	
2	Dartford ( <i>Ww</i> , pts. of)* <sup>†</sup> -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>w</i> -	11055	11688	6	2	-	1	-	-	-	-	-	-	-	-	-	1	
2	Staines <i>W</i> -	13277	12089	8	4	1	1	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	8	7	2	2	-	-	-	-	-	-	-	1	1	1	
2	Uxbridge -	6173	3225	3	2	-	1	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14587	11523	9	4	-	2	-	-	-	-	-	-	-	-	-	3	
126:1	Isleworth <i>WHH</i> -	7008	22727	29	9	-	6	-	-	-	-	-	-	-	-	1	3	
2	Twickenham <i>H</i> -	2477	12479	5	5	4	-	-	1	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i> -	4345	27649	22	5	-	4	-	-	-	-	-	-	-	-	-	-	
4	Chiswick -	1340	15975	15	4	1	2	-	-	-	-	-	-	-	-	2	-	
5	Aston <i>wH</i> -	6083	22876	19	2	1	-	-	-	-	-	-	-	-	-	-	-	
127:1	Harrow <i>H</i> -	13809	12796	8	6	1	2	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i> -	6994	3749	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	35	15	3	5	-	-	-	-	-	-	1	1	1	-	
4	Hendon <i>W</i> -	8382	10494	15	8	1	1	-	-	-	-	-	-	-	1	1	2	
137:1	Bushey -	9331	6621	4	2	1	1	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138:1	South Mimms -	15199	6391	8	2	1	1	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5483	10092	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
3	Finchley <i>HL</i> -	4538	17615	17	14	1	4	-	-	-	-	1	-	-	-	-	7	
135:1	Hatfield (part of)* -	3306	583	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i> -	3039	37078	26	17	7	3	-	-	-	-	1	-	-	-	-	-	
2	Tottenham <i>H</i> -	4642	46456	53	22	5	1	-	7	-	-	2	1	-	-	-	-	
3	Edmonton <i>Ww</i> -	7453	23463	23	11	3	4	-	-	-	-	1	-	-	-	-	2	
4	Enfield <i>WH</i> -	12653	19104	16	7	2	1	-	-	-	-	-	-	-	-	-	-	
5	Waltham Abbey -	11017	5368	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8490	7735	10	6	1	1	-	1	-	-	1	-	-	-	-	-	
136:1	Stratford -	882	38606	35	15	2	3	-	-	-	-	4	-	-	-	-	-	
2	West Ham <i>wvH†</i> -	4055	90347	114	46	16	7	-	-	-	-	5	-	-	1	2	1	
3	East Ham <i>wv</i> -	3296	10706	20	5	1	-	-	-	-	-	-	-	-	-	-	-	
4	Leyton <i>WwL</i> -	4372	22430	36	14	2	3	-	-	-	-	-	-	-	-	-	2	
5	Walthamstow <i>H</i> -	6520	28869	16	29	3	5	-	1	-	3	4	-	-	-	-	-	
137:1	Chigwell (part of)* <i>H</i> -	11761	9669	4	3	-	1	-	-	-	-	-	-	-	1	1	1	
2	Epping ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of)* <i>W</i> -	6730	3411	1	2	-	1	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	8493	7645	9	2	-	-	-	-	-	1	-	-	-	-	-	-	
3	Barking Town -	4127	9203	8	3	-	-	-	-	-	-	-	-	-	1	1	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—  
 29:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warringham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1903); 41:1, Bromley sub-district, except the parishes of Cadnam and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chislehurst (pop. 247); 135:1, the parish of Norton in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 17:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).  
 ‡ Exclusive of deaths of London residents in the Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

§ On 1st January, the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 3rd May, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 80 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
TER LONDON	448,334	5,758,500	17.7	2.4	1957	420	498	1	85	15	23	110	9	22	76	401		
NER LONDON -	77,410	4,421,661	18.1	2.5	1533	337	375	1	67	15	18	86	7	21	61	342		
TER RING -	370,924	1,336,839	16.5	2.0	424	83	113	-	18	-	5	24	2	1	15	59		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0.622 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,225,668 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
PUTTA - -	433,219	March 29	-	327	39.3	81	1	-	-	-	106	36†	
BAY - -	773,196	April 8	239	392	22.0	6	3	?	?	?	136	27	
RAS - -	398,777	March 21	263	290	37.8	3	12	?	?	?	91	47	
S - - -	2,260,945	April 26	1189	1130	26.0	3	27	7	52*	9	15	55	
SELS - - (Faubourgs.)	477,283	" 26	217	175	18.9	-	2	-	-	1	2	14	
TERDAM -	406,302	" 26	252	156	19.9	-	1	-	2	-	-	-	
TERDAM -	203,486	" 26	136	84	21.4	-	-	-	-	1	-	-	
HAGUE -	156,497	" 26	103	53	17.6	-	-	-	-	1	-	-	
ENHAGEN -	307,000	" 26	202	132	22.4	-	-	1	15	3	-	7	
KHOLM -	228,218	" 19	138	81	17.8	-	-	8	4*	1	-	8	
STIANIA -	143,300	" 26	40	51	18.5	-	-	1	2	-	-	1	
PETERSBURG	924,466	" 12	-	597	38.7	-	30	25	10	4	7	51	
LIN - -	1,526,887	" 12	891	615	20.9	-	5	6	44	8	1	52	
EBURG(State)	675,276	" 19	415	231	20.9	-	3	1	6†	2	5	7	
EDEN - -	269,250	" 19	145	101	19.5	-	3	3	3*	-	-	6	
SLAU - -	324,143	" 26	239	162	26.5	-	1	4	3*	-	1	12	
WICH - -	298,000	" 19	235	153	27.6	-	3	-	11*	1	1	12	
WNA - -	822,176	" 26	566	445	28.1	-	12	4	5	1	3	25	
WUE - -	314,425	" 26	-	199	33.0	1	12	1	7	2	5	5	
W-PESTR -	463,017	" 19	323	284	31.9	-	3	3	11	-	1	19	
WSTE - -	160,092	" 26	97	81	26.3	-	-	-	3*	-	-	2	
W - -	415,498	March 22	241	198	25.0	-	6	-	9	3	6†	5	
W (11 days)-	314,827	April 10	262	172	22.4	1	6	-	4	-	3†	4	
WON - -	156,515	" 19	77	73	24.3	4	-	-	1	-	-	5	
WRO - -	374,838	" 10	399	291	40.4	-	-	-	2	1	16	74	
WANDRIA -	231,396	" 10	209	148	33.3	3	-	-	4	-	2	38	
W YORK -	1,595,547	" 12	-	756	24.5	-	14	7	29	13	5	14	
WOKLYN -	852,467	" 12	-	343	20.8	-	2	6	16	4	3	6	
WADLPHIA -	1,064,277	" 12	-	406	19.9	-	6	2	6	1	12	4	
WIMORE -	500,343	" 12	-	184	19.1	-	11	-	4	-	1	-	
WIMORE -	500,343	" 19	-	165	17.2	-	11	-	6	2	0	1	
W ORLEANS -	254,000	" 5	-	134	27.5	-	5	-	2	-	-	6	

\* Including deaths from croup.

† Including 18 deaths from cholera in Calcutta, and 5 in Madras.

‡ Including 5 and 2 deaths respectively from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, MAY 3RD, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.  MONTH AND DAY.	Phases of the Moon.	TEMPERATURE.					TEMPERATURE.					Wind as deduced from Anemometers.					Rain collected in Gauge whose receiving aperture is above the Ground.								
		Baro- meter.	Of the Air.				Of the Dew Point.	Difference between the Air Temperature and Dew Point.		Degree of Hu- midity (Satu- ration 100)	Of Radiation.		Of the Water of the Thames at Deptford.	Ossler's.		Pressure on the Square Foot.		Robinson's.							
			High- est.	Low- est.	Daily Range.	Mean Range from Average of 20 years.		Mean daily value.	Great- est.		Least- est.	High- est. on the Sun's Rays.		Low- est. est.	General Direction.			Great- est.	Least.	Horizontal Movement of 24 hours on each day.	Depart- ure from Average of 10 Years.				
															A.M.	P.M.						lbs.	lbs.	lbs.	lbs.
APRIL.		in.	54.7	35.9	18.8	45.1	3.3	37.3	7.8	14.8	1.5	74	106.0	25.3	50.6	49.6	•	•	NNW. & N.	1.4	0.0	1.75	— 37	0.00	0.0
SUN.	27 First Qr.	29.785	60.2	39.3	20.9	47.9	— 0.6	41.8	6.1	18.6	0.0	79	121.9	31.3	50.6	49.7	•	•	SW. NW. & W. SW.	1.4	0.0	2.04	— 65	0.07	1.0
MON.	28 ..	29.754	62.9	39.6	23.3	51.1	+ 2.6	37.0	14.1	23.3	0.0	59	139.4	29.4	50.8	50.0	•	•	SW. & S.W.	1.4	0.0	2.04	— 62	6.00	0.0
TUES.	29 ..	29.747	63.4	38.3	25.1	52.2	+ 3.6	38.1	14.1	22.6	1.2	59	124.7	27.1	51.1	50.6	•	•	E.	2.4	0.0	2.41	— 21	6.00	3.0
WED.	30 ..	29.791	64.4	40.7	23.7	53.6	+ 4.9	43.1	10.5	18.5	0.7	67	128.2	26.6	51.6	50.8	•	•	E. & ENE.	1.0	0.0	2.27	+ 8	0.00	7.0
THURS.	1 ..	29.704	61.1	39.7	21.4	50.7	+ 1.8	41.5	9.2	19.0	0.0	71	129.1	29.7	53.0	52.4	•	•	ENE. & E.	0.9	0.0	1.74	— 83	0.00	0.0
FRI.	2 In Equator.	29.741	63.9	38.5	30.4	54.4	+ 5.3	41.0	13.4	22.1	1.4	61	132.5	27.5	53.9	53.5	•	•	E. ESE. & SSE.	0.5	0.0	1.60	— 95	0.00	1.5
SAT.	3 ..	29.680	62.2	38.9	23.4	50.7	+ 2.0	40.0	10.7	19.8	0.7	67	126.0	28.1	51.7	50.9	•	•	Variable.	..	..	Sum 1495	Sum — 415	Sum 0.07	1.8
MEANS	..	29.740	62.2	38.9	23.4	50.7	+ 2.0	40.0	10.7	19.8	0.7	67	126.0	28.1	51.7	50.9	•	•	Variable.	..	..	Sum 1495	Sum — 415	Sum 0.07	1.8
No. of Col.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

DATE.	ELECTRICITY. (For explanation of symbols, see Note.)	GENERAL REMARKS.			
		Registered Sun above Horizon, in hours.	Registered Sun above Horizon, in hours.	Registered Sun above Horizon, in hours.	Registered Sun above Horizon, in hours.
APRIL.					
SUNDAY	27 w. P. . . .	2.5	14.5		
MONDAY	28 w. P. generally, with s. N. between 2h. A.M. and 5h. A.M.	4.0	14.6		
TUESDAY	29 w. P. throughout .	12.5	14.7		
WEDNESDAY	30 w. P. throughout .	11.7	14.7		
MAY.					
THURSDAY	1 w. P. generally .	12.2	14.8		
FRIDAY	2 w. P. . . . .	10.9	14.9		
SATURDAY	3 w. P. till evening; s. P. at night.	10.4	14.9		
MEANS		Sum 63.9	Sum 103.0		

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.65 in. at the beginning of the week to 29.83 in. by 5h. P.M. on the 27th of April; decreased to 29.78 in. by 3h. P.M. on the 29th; increased to

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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General Register Office, Somerset House,  
12th May, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·2 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Apr. 19.	Apr. 26.	May 3.	May 10.		Apr. 19.	Apr. 26.	May 3.	May 10.
Birkenhead	16·4	17·9	19·4	15·4	Liverpool - -	23·8	21·9	23·6	20·2
Birmingham	20·8	16·5	16·1	20·0	London - -	19·0	18·5	18·1	17·3
Blackburn -	16·0	25·3	21·9	17·3	Manchester - -	30·0	30·4	33·1	31·3
Bolton -	34·7	23·9	36·0	25·2	Newcastle-on-Tyne	28·8	30·7	25·3	32·3
Bradford -	22·5	22·3	22·8	20·4	Norwich - -	20·8	19·1	24·6	17·5
Brighton -	19·8	16·0	15·6	15·2	Nottingham -	14·7	19·4	13·6	16·6
Bristol -	17·1	20·0	20·9	14·4	Oldham - -	25·6	18·8	21·3	21·0
Cardiff -	16·0	24·5	17·8	16·0	Plymouth - -	17·9	20·5	21·8	20·5
Derby -	26·4	24·8	27·9	27·4	Portsmouth -	17·1	20·8	15·7	15·7
Halifax -	28·0	24·8	15·9	25·4	Preston - -	21·3	25·3	24·8	20·3
Huddersfield	18·8	17·1	21·6	10·5	Salford - -	20·4	27·1	25·8	22·8
Hull -	20·2	18·0	21·0	17·6	Sheffield - -	31·6	29·1	29·6	26·2
Leeds -	25·8	22·8	21·5	22·8	Sunderland -	20·6	22·9	27·1	21·4
Leicester -	10·8	17·9	16·6	12·5	Wolverhampton -	16·3	20·0	20·6	13·8

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Birmingham and 6·2 in Derby; from *scarlet fever*, 1·0 in Preston and 1·3 in Halifax; and from *whooping-cough*, 1·0 in Newcastle-upon-Tyne, 1·1 in Oldham, 1·2 in London, 1·3 in Plymouth, 1·4 in Bolton and in Sheffield, 1·6 in Derby, and 1·7 in Brighton. The rate from *fever* did not reach 1·0 per 1000 in any of the twenty-eight towns. The 43 deaths from *diphtheria* included 25 in London, 8 in Salford, 4 in Newcastle-upon-Tyne, 3 in Manchester, and 2 in Norwich. No death from *small-pox* was registered in any of the twenty-eight towns.

### LONDON.

In LONDON 2308 BIRTHS and 1469 DEATHS were registered. Allowing for increase of population, the births were 511, and the deaths 107, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the four preceding weeks from 19·1 to 18·1, further fell last week to 17·3. During the first six weeks of the current quarter the death-rate averaged 18·1 per 1000, this rate being 1·8 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1469 deaths included 62 from measles, 12 from scarlet fever, 25 from diphtheria, 99 from whooping-cough, 3 from enteric fever, 11 from diarrhoea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever or cholera; thus, 212 deaths were referred to these diseases, being 6 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 17. Two cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 61 and 67 in the two previous weeks, numbered 62 last week, being 2 below the corrected average; 7 belonged to Marylebone, 6 to Islington, 8 to Shoreditch, and 5 to Lambeth sanitary areas. The fatal cases of *scarlet fever*, which had been 17 and 15 in the two preceding weeks, further declined last week to 12, being but half the corrected average; 3 belonged to the North and 3 to the South groups of sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1088 scarlet-fever patients at the end of the week, against 1113 and 1102 in the two previous weeks; 131 cases were admitted to these hospitals during the week, against 95 in each of the two previous weeks. The deaths from *diphtheria*, which had been 20 and 18 in the two preceding weeks, increased again last week to 25, exceeding the corrected average by 9; 4 (including 2 of children admitted to hospital from one house in Yerbury Road) belonged to Islington, 3 to Bethnal Green, 2 to Stepney, 3 to Mile End Old Town, 3 to Poplar, and 4 to Greenwich sanitary areas. The deaths from *whooping-cough*, which had declined from 106 to 86 in the three preceding weeks, increased again last week to 99, and were 24 above the corrected average; 4 belonged to Kensington, 5 to Pancras, 6 to Islington, 11 to Hackney, 9 to Shoreditch, 5 to Bethnal Green, 7 to Mile End Old Town, 6 to Lambeth, 4 to Battersea, and 4 to Camberwell sanitary areas. The 11 deaths from *diarrhoea* were fewer by 10 than the number in the previous week, and by 2 than the corrected average; 7 were of children under one year of age, and 3 of persons aged 60 years and upwards.

The deaths referred to *enteric fever*, which had been 6 in each of the two preceding weeks, declined last week to 3, and were 6 below the corrected average. The Metropolitan Asylum Hospitals contained 61 cases of enteric fever, and 2 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 9 and 5 in the two previous weeks.

Three deaths were attributed primarily to *influenza*, the numbers returned in the two previous weeks from this cause having been 6 and 2.

The deaths referred to diseases of the respiratory organs numbered 301, showing a further decline from the numbers recorded in recent weeks, and being 16 below the corrected average.

Different forms of violence caused 62 deaths, concerning all but 2 of which inquests were held. Of these 62 deaths, 11 were cases of suicide, and one of murder or manslaughter, while the remaining 50 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 6 by burns or scalds, 2 by poison, 3 by drowning, and 15 (of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3087 births and 1870 deaths were registered, corresponding to annual rates of 28·0 and 16·9 per 1000 of the estimated population. In the Outer Ring 19 deaths were referred to whooping-cough, 12 to measles, 5 to diarrhoea, and 4 to diphtheria. The deaths from whooping-cough included 3 in Croydon, 3 in Tottenham, and 3 in West Ham sub-districts. Two deaths from diphtheria were recorded in Walthamstow sub-district, and 3 from measles in Croydon and in Tottenham sub-districts.

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Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during April will be found on pages 191-192.

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## METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·42 ins.; the highest reading was 29·63 ins. at the beginning of the week, and the lowest 29·25 ins. on Friday evening. The mean temperature of the *air* was 52°·4, and 2°·1 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Friday, but showed an excess on every other day of the week. The direction of the *wind* was variable, and the horizontal movement of the air averaged 7·9 miles per hour, which was 2·6 miles below the average in the corresponding weeks of 16 years. *Rain* fell on six days of the week, to the aggregate amount of 0·56 of an inch. The duration of registered bright sunshine in the week was 14·2 hours, against 26·5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of APRIL 1890; according to their returns 165,831,363 gallons or 753,448 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight), were supplied daily; or 218 gallons (99·0 decalitres), rather less than a *ton* by weight, to each house, and (assuming 7·8 persons to each house) 27·9 gallons (12·7 decalitres) to each person, against 26·7 during April 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	APRIL. 1889.	APRIL. 1890.	APRIL. 1889.	APRIL. 1890.
TOTAL SUPPLY . . . .	749,655	761,186	156,329,633	165,831,363
From Thames . . . . .	361,408	367,164	77,497,914	83,020,393
From Lea and from other Sources . .	388,247	394,022	78,831,719	82,810,970
THAMES.				
Chelsea . . . . .	34,881	35,343	9,021,881	9,785,958
West Middlesex . . . . .	71,541	72,933	14,188,616	15,316,205
Southwark and Vauxhall . . . .	110,854	112,032	22,230,205	23,237,379
Grand Junction . . . . .	55,325	56,090	16,010,012	17,330,851
Lambeth . . . . .	88,807	90,766	16,047,200	17,350,000
LEA AND OTHER SOURCES.				
New River . . . . .	152,171	153,283	20,474,000	30,273,000
East London . . . . .	104,357	167,038	38,021,132	40,781,463
Kent . . . . .	71,719	73,701	11,336,587	11,756,507

*Note.*—The Return for April 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,531 houses, and of 9,501,730 gallons of water supplied daily.

## ANALYSIS OF METROPOLITAN WATER SUPPLY DURING APRIL.

*Water-analysis Laboratory, The Yews, Reigate,  
1st May, 1890.*

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of April.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0·6, New River 0·7, Tottenham 1·0, Colne Valley 1·6, Lambeth 1·8, Grand Junction 2·0, Chelsea 3·3, West Middlesex and Southwark 2·4, and East London 2·5.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in every case, efficiently filtered, and exhibited, for river water, a high degree of organic purity.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered. That of the New River Company was of a very high degree of organic purity, whilst the East London Company's supply was slightly inferior in this respect to all the Thames derived waters.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity. The Kent and Colne Valley waters were clear and bright, but the Tottenham water was again slightly turbid owing to suspended particles of rust of iron. The supply of the Colne Valley Company was the only soft water delivered in London.



Seen through a stratum two feet deep, the waters presented the following appearances :—New River, Kent, and Colne Valley, clear and colourless; Tottenham slightly turbid and colourless; the remaining waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "slightly turbid and greenish yellow in the two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

I am, &c.

The Registrar General, &c. &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

	COMPANIES OR LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.		°								
	Chelsea	{ April 14th, Cab Rank, Horse Guards, Whitehall. }	9·3	28·10	·103	·028	0	·212	·240	1·9	20·0
	West Middlesex	{ April 14th, Cab Rank, Portland-road. }	10·0	27·14	·119	·024	0	·201	·225	1·9	19·7
	Southwark	{ April 14th, Cab Rank, Bricklayers Arms, Old Kent-road. }	9·6	27·90	·115	·028	0	·202	·230	1·9	20·3
	Grand Junction	{ April 14th, Cab Rank, Uxbridge-road, near Marble Arch. }	9·3	27·68	·097	·021	0	·202	·223	1·9	20·6
	Lambeth	{ April 14th, Cab Rank, St. George's- road, Southwark. }	9·3	27·96	·087	·021	0	·219	·240	1·9	20·9
Outer Circle.	LEA.										
	New River	{ April 14th, Cab Rank, Tottenham Court-road. }	9·2	27·78	·080	·010	0	·283	·293	1·7	20·9
	East London	{ April 14th, Fire Brigade Station, Commercial-road, E. }	9·5	32·06	·116	·029	0	·259	·288	2·1	23·0
	DEEP WELLS.										
	Kent	{ April 14th, Mill Lane, Deptford. }	12·0	45·22	·025	·010	0	·534	·544	2·6	32·9
	Colne Valley	{ April 21st, Bushey. }	—	21·30	·075	·020	·009	·423	·450	2·2	8·1
	Tottenham	{ April 16th, Tottenham. }	—	41·04	·041	·020	·068	·059	·135	3·0	23·6
	Corporation of Birming- ham*	{ April 8th, 14, Court Rea-street, }	8·9	28·92	·189	·024	·001	·132	·157	1·5	17·5
	Corporation of Glasgow†	{ April 15th, Loch Katrine Water. }	6·6	2·5	·147	·034	0	·003	·037	·75	0·95
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 14th April, at the Horse Guards cab-rank, had a temperature of 9°·3 C.; 100,000 lbs. of it contained 28·10 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·106 lb. of carbon and ·028 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·212 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·240 lb. The above weight of water also contained 1·9 lbs. of chlorine; and 20·0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

CITIES AND BOROUGHES.	POPULATION estimated the middle of the Year 1880.*	Registered during the Week ending 10th May, 1890.		The DEATHS registered in the Week include.										TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGHES.				
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 1 to 60 Years and upwards.	Deaths from							Inquest Cases.	Deaths in Public Institutions.	Unrecorded Deaths.	Mean.		In Inches.	In Cents.					
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhoea.				Violence.								
Colb.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
28 TOWNS.	9,715,559	5393	3586	792	811	-	108	44	43	151	36	120	238	652	65	19.2	2.2	67.1	35.0	49.9	9.94	0.92	*08	24.
LONDON	4,421,661	2308	1469	360	344	-	62	18	25	99	3	11	62	134	325	13	17.3	2.5	66.1	40.0	52.4	11.33	0.56	1.42
BRIGHTON	128,680	59	36	4	0	-	1	-	-	4	1	-	1	7	3	16.2	2.5	65.0	44.0	52.2	11.22	1.18	3.00	
PORTSMOUTH	142,982	84	43	9	13	-	-	-	-	-	1	1	2	3	13	15.7	0.7	-	-	-	-	-	-	
NORWICH	95,352	40	32	9	8	-	1	-	2	1	-	-	-	3	-	17.5	2.2	-	-	-	-	-	-	
PLYMOUTH	78,780	44	31	8	7	-	1	1	-	2	-	-	-	4	-	20.5	2.6	65.2	46.0	53.3	11.83	0.50	1.27	
BRISTOL	282,248	12.6	64	17	20	-	-	-	-	-	2	-	1	10	2	14.4	0.4	64.4	39.8	50.2	10.11	1.10	2.79	
WOLVERHAMPTON	53,406	41	22	3	9	-	1	-	-	-	-	-	-	2	-	13.8	1.3	63.5	37.3	48.5	9.17	0.79	2.61	
BIRMINGHAM	461,865	288	177	41	33	-	9	4	-	2	1	2	5	9	42	6	20.0	2.0	-	-	-	-	-	-
LEICESTER	154,344	83	37	11	8	-	-	-	-	-	1	1	1	4	-	12.5	0.7	-	-	-	-	-	-	-
NOTTINGHAM	244,909	181	78	15	15	-	1	-	-	-	1	-	3	4	20	1	16.6	0.4	67.1	38.7	50.0	10.00	0.33	0.84
DERBY	100,871	54	53	8	11	-	12	-	-	3	-	-	5	6	-	7.8	7.8	-	-	-	-	-	-	-
BIRMINGHAM	105,019	62	31	10	8	-	1	-	-	-	1	1	4	4	1	15.4	1.0	-	-	-	-	-	-	-
LIVERPOOL	613,463	325	138	20	37	-	11	6	-	7	3	3	10	13	36	9	20.2	2.5	64.6	44.3	51.8	11.00	0.45	1.14
BOLTON	115,816	94	56	10	22	-	-	-	-	3	1	2	2	3	3	-	25.2	2.7	-	-	-	-	-	-
MANCHESTER	878,487	266	218	38	52	-	1	3	3	3	2	1	2	12	44	6	31.3	1.8	-	-	-	-	-	-
SALFORD	242,609	115	106	20	23	-	-	4	8	4	2	1	2	22	1	22.8	3.9	-	-	-	-	-	-	-
OLDHAM	146,716	71	59	8	9	-	-	-	3	-	1	1	-	13	-	21.0	1.8	-	-	-	-	-	-	-
BLACKBURN	123,553	62	41	10	8	-	-	-	-	-	1	1	3	3	3	17.8	0.8	-	-	-	-	-	-	-
PRESTON	106,163	80	41	11	4	-	1	2	-	-	-	-	2	3	3	1	20.3	1.5	-	-	-	-	-	-
HUDERSFIELD	94,253	40	19	1	5	-	-	-	-	1	-	-	-	-	-	1	10.5	0.6	-	-	-	-	-	-
HALIFAX	52,084	38	40	13	4	-	1	2	-	-	-	-	1	1	4	3	25.4	1.9	-	-	-	-	-	-
BRADFORD	240,515	89	94	18	29	-	3	-	-	2	-	1	4	6	14	2	20.4	1.3	66.2	42.0	50.9	10.50	0.58	1.47
LEEDS	367,799	119	129	24	38	-	-	1	-	3	1	2	4	12	20	2	22.8	1.0	-	-	-	-	-	-
SHEFFIELD	332,837	171	167	39	39	-	3	4	1	9	1	1	2	3	18	4	26.2	3.0	-	-	-	-	-	-
HULL	218,888	98	72	12	16	-	-	1	1	1	2	1	2	3	6	5	17.6	1.2	62.0	35.0	47.2	8.44	1.77	4.50
SUNDERLAND	156,406	81	56	10	14	-	-	2	-	1	-	3	3	4	-	21.4	2.3	55.0	36.0	45.0	7.22	0.88	3.24	
NEWCASTLE	162,987	132	101	14	19	-	-	-	4	3	-	1	8	9	16	2	32.3	2.6	57.0	37.0	47.0	8.33	0.56	2.18
CARDIFF	117,012	96	36	9	7	-	-	-	-	-	-	-	2	2	11	3	16.0	0.0	-	-	-	-	-	-
EDINBURGH	271,135	158	99	21	23	-	4	1	-	5	1	2	2	?	26	12	19.0	2.5	56.5	38.0	47.1	8.39	0.33	0.97
GLASGOW	130,408	420	278	65	48	-	22	5	2	10	4	4	7	?	35	30	27.3	5.2	-	-	-	-	-	-
DUBLIN	553,082	212	150	25	40	-	2	1	-	3	1	4	5	5	61	15	23.6	1.5	53.8	35.7	50.0	10.00	0.33	0.97

See note on first page of this Report.



TABLE 2. LONDON.—Births and Deaths Registered in the NINETEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2687	2561	2569	2637	2811	2544	2424	2481	2574	2565	2819.2	2308
Males	1377	1348	1305	1335	1391	1318	1244	1263	1303	1264	1434.3	1163
Females	1310	1213	1264	1302	1420	1226	1180	1218	1266	1301	1384.9	1145
<b>TOTAL Deaths</b>	1389	1427	1433	1653	1586	1496	1414	1395	1360	1295	1575.5	1469
Males	698	727	705	868	819	744	703	731	715	619	803.6	781
Females	691	700	728	785	767	752	711	664	645	676	771.9	688

\* The numbers in this column are the average weekly numbers in the nineteenth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Feb. 15.	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	
TOTAL Births	2793	2702	2561	2536	2717	2534	2343	2329	2360	2935	2538	2613	2308	
TOTAL Deaths	1809	1847	1802	1889	1771	1637	1571	1419	1619	1611	1567	1533	1469	
Ages at Death	{ 0—20 years	763	753	739	798	776	729	743	657	774	782	742	721	715
	{ 20—40 "	218	256	234	226	196	193	204	183	204	177	197	210	170
	{ 40—60 "	357	363	324	348	303	296	264	239	275	282	255	227	243
	{ 60—80 "	390	374	418	428	404	342	309	285	308	291	313	303	274
	{ 80 years & upwards	81	101	87	89	92	77	51	55	58	79	60	70	70
"	{ Under 1 year	352	393	367	394	392	381	366	310	372	356	369	337	360
	{ 1—5	306	259	263	294	271	270	304	253	298	322	286	294	251
"	{ 5—20	105	101	109	110	113	78	73	94	104	104	87	90	101
Deaths from Small-pox	-	1	-	-	-	-	-	-	-	-	-	-	1	-
" " Measles	21	14	19	35	35	45	45	35	54	65	61	67	62	-
" " Scarlet fever	14	13	14	12	18	11	10	8	12	13	17	15	12	-
" " Diphtheria	39	27	24	19	25	23	30	20	21	17	20	18	25	-
" " Whooping-cough	115	103	97	95	86	76	101	84	79	106	88	86	99	-
" " Typhus	-	-	-	-	-	-	-	-	1	-	-	1	-	-
" " Enteric fever	12	8	7	4	3	7	7	2	4	8	6	6	3	-
" " Simple Cont'd fever	1	1	1	1	1	-	1	1	-	-	1	-	-	-
" " Diarrhoea and Dysentery }	6	21	12	9	14	14	13	10	10	11	13	21	11	-
" " Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
" " all the above- mentioned Diseases }	208	188	174	175	182	176	207	160	181	220	206	215	212	-
" " Dis. of Respira- tory System }	439	452	492	510	447	381	375	296	384	380	345	326	301	-
" " Phthisis	215	218	224	206	164	169	154	180	174	189	154	143	139	-
" " Dis. of Circula- tory System }	143	162	146	163	145	148	120	114	151	133	119	140	132	-
Violent Deaths	56	77	52	65	76	49	61	36	60	41	61	61	62	-
Inquest Cases	137	143	134	120	162	115	117	85	133	105	125	124	134	-
Deaths in Public Institutions	436	434	425	406	390	406	377	362	382	338	374	342	325	-
TEMPERATURE OF THE AIR														
Mean	35.9	39.4	35.4	36.4	45.3	43.3	49.0	43.8	43.2	46.1	47.1	50.7	52.4	
Mean of Highest readings	41.7	43.9	42.0	43.6	54.0	52.0	57.3	54.9	52.0	53.8	56.7	62.2	61.6	
Mean of Lowest readings	30.8	35.9	30.4	29.0	37.6	36.0	42.6	33.1	37.0	39.9	40.1	38.9	44.6	
Humidity of the Air	87	89	87	69	79	82	84	72	72	81	82	67	80	
Rain-fall in inches	0.88	0.04	0.22	0.33	0.24	0.81	0.41	0.00	0.29	0.38	1.00	0.07	0.56	
Registered Sunshine (in hours)	31.2	12.4	9.7	12.1	28.1	21.5	14.6	59.8	22.0	27.0	15.9	63.9	14.2	

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Mclandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the NINETEENTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 10th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 10th May 1890.										CAUSES OF DEATH.	Corrected Averages for the 10th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 10th May 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
			0-1.	1-5.	5-20.										0-1.	1-5.	5-20.						
CAUSES - -	1575.5	1469	360	251	101	170	213	274	70	Diseases of Organs of Special Sense † - -	2.0	4	-	1	2	-	1	-	-				
Vaccinated† - -	16.8	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	112.4	132	-	1	11	18	33	54	10				
Unvaccinated† - -	-	-	-	-	-	-	-	-	-	Croup - - - - -	10.5	9	3	5	1	-	-	-	-				
No Statement - -	-	-	-	-	-	-	-	-	-	Bronchitis - - -	174.6	151	51	20	1	4	15	43	17				
Erysipelas - - -	63.8	62	16	45	1	-	-	-	-	Pneumonia - - -	197.3	112	24	25	6	12	24	18	1				
Typhoid Fever - -	24.1	12	2	7	3	-	-	-	-	Pleurisy - - - -	6.7	8	-	-	1	3	-	2	-				
Scarlet Fever † - -	0.0	-	-	-	-	-	-	-	-	Other Diseases of Respi- ratory System - -	27.6	21	2	5	-	4	5	4	1				
Erysipelas - - -	0.0	3	-	-	-	1	1	1	-	Dentition † - - -	17.4	14	6	3	-	-	-	-	-				
Typhoid - - - -	74.8	99	44	53	2	-	-	-	-	Quinsy, Sore Throat † -	1.9	2	-	1	-	1	-	-	-				
Typhoid - - - -	15.6	25	1	15	8	-	-	1	-	Enteritis - - - -	5.6	3	1	2	-	1	1	-	-				
Typhoid Continued and Defined Fever - -	1.3	-	-	-	-	-	-	-	-	Peritonitis - - - -	6.2	5	-	-	2	1	-	-	-				
Typhoid - - - -	8.5	3	-	-	2	-	1	-	-	Diseases of Liver - -	33.3	13	-	-	2	1	6	6	1				
Typhoid - - - -	0.2	-	-	-	-	-	-	-	-	Other Diseases of Digestive System - -	29.3	37	9	5	1	3	8	10	1				
Typhoid - - - -	12.9	11	7	1	-	-	-	2	1	Diseases of Lymphatic System & of Ductless Glands † - -	0.5	3	-	-	-	3	-	-	-				
Typhoid - - - -	0.8	-	-	-	-	-	-	-	-	Diseases of Urinary System - - - -	49.2	40	-	-	-	8	14	17	1				
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Generative System - - - -	5.8	7	-	-	1	-	4	2	-				
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.9	3	-	-	-	2	1	-	-				
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - -	7.2	7	-	3	2	1	1	-	-				
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Integumen- tary System - - -	5.9	4	-	-	-	-	2	2	-				
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	VIOLENT DEATHS.‡													
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	(Accident.)													
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Fracture and Contusion	18.8	22	-	-	1	3	8	5	2	3			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Gunshot Wound - - -	0.1	-	-	-	-	-	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Cut, Stab - - - -	0.3	-	-	-	-	-	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Burn and Scald - - -	4.6	6	-	2	2	-	2	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Poison - - - - -	0.9	2	-	-	-	-	2	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Drowning - - - -	6.9	3	-	1	1	-	1	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Suffocation - - - -	12.1	15	15	-	-	-	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Otherwise - - - -	2.6	2	2	-	-	-	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	(HOMICIDE.)													
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Murder & Manslaughter	1.1	1	-	-	-	-	-	1	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	(SUICIDE.)													
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Gunshot Wound - - -	0.9	3	-	-	-	2	1	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Cut, Stab - - - -	1.9	6	-	-	-	-	1	4	1	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Poison - - - - -	2.3	1	-	-	-	1	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Drowning - - - -	2.6	1	-	-	1	-	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Hanging - - - - -	1.4	-	-	-	-	-	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Otherwise - - - -	1.1	-	-	-	-	-	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	(EXECUTION.)													
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	Hanging - - - - -	0.1	-	-	-	-	-	-	-	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-	OTHER CAUSES † - -	56.5	41	33	2	-	-	-	1	-	-			
Typhoid - - - -	0.0	-	-	-	-	-	-	-	-														

numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not ascertained by a registered medical attendant, the case is returned under the heading "no statement."

When the case is returned under the heading "no statement," the Coroner is often insistent to enable the Coroner to certify whether a violent death be the result of accident, murder, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week end

The DEATHS registered in the Week include																		
REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation. 1881	Total Births.	Total Deaths.	Deaths of														Deaths in Public Institutions.
				Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.		
LONDON		3,815,704	2308	1469	360	344	-	62	12	25	99	-	3	-	11	62	134	32
WEST DISTRICTS	664,433	311	247	57	64	-	8	2	1	13	-	1	-	5	5	13	63	
NORTH DISTRICTS	905,947	542	336	89	79	-	16	4	8	25	-	-	-	4	10	32	73	
CENTRAL DISTRICTS	262,238	132	114	21	22	-	4	1	1	10	-	-	-	-	7	16	39	
EAST DISTRICTS	892,738	480	292	85	51	-	15	2	8	23	-	1	-	1	15	33	58	
SOUTH DISTRICTS	1,265,148	843	480	108	128	-	19	3	7	25	-	1	-	1	25	40	92	
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WEST DISTRICTS.																		
St. Mary Paddington WHH G.J. & W.M.	66888	31	22	5	6	-	2	-	-	1	-	-	-	-	1	-	3	1
St. John Paddington H - - - G.J.	57380	7	16	1	5	-	-	-	-	-	-	-	-	-	2	5	3	
Kensington Town Ww - - - W.M.	120141	65	39	10	15	-	2	-	-	4	-	-	-	-	-	1	12	
Brompton H - - - W.M. & C.	45010	11	8	2	3	-	-	-	-	-	-	-	-	-	1	-	2	
St. Peter Hammersmith - - - W.M.	7899	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H W.M. & G.J.	64340	47	23	10	4	-	-	-	-	2	-	-	-	1	1	1	-	
Fulham Ww - - - W.M. & C.	42900	44	31	7	7	-	1	2	-	1	-	1	-	1	1	3	11	
Chelsea South HHH - - - C.	20394	15	10	4	4	-	-	-	-	-	-	-	-	-	-	-	1	
Chelsea North-west WHHHHH - C.	24925	15	15	1	2	-	1	-	1	-	-	-	-	-	-	-	6	
Chelsea North-east - - - C.	32407	17	12	4	6	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair WW - - - G.J.	80353	5	11	-	3	-	-	-	-	-	-	-	-	-	-	-	6	
Belgrave WHHH - - - C.	59220	15	26	6	4	-	1	-	-	3	-	-	-	-	-	-	7	
St. John Westminster HHH - - C.	35496	20	6	1	-	-	-	-	1	1	-	-	-	-	-	-	1	
St. Margaret Westminster H - - C.	24879	3	10	2	-	-	-	-	1	-	-	-	-	-	-	-	6	
St. James Westminster WHH N.R. & G.J.	29941	10	12	8	3	-	-	-	-	-	-	-	-	-	-	-	2	
St. Anne Soho HHHHHH - N.R.	14808	3	4	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																		
All Souls Marylebone HHHHH W.M.	22769	9	8	2	2	-	-	-	-	-	-	-	-	-	-	-	1	2
Cavendish Square HHHH - - W.M.	14891	1	6	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Rectory Marylebone WH G.J. & W.M.	24899	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Marylebone HHH G.J. & W.M.	21118	22	11	3	2	-	3	-	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone HH - W.M.	33700	18	11	3	1	-	3	-	-	-	-	-	-	1	1	3	-	-
St. John Marylebone H - - W.M.	33633	13	5	2	1	-	1	-	-	1	-	-	-	-	-	-	-	-
Hampstead Ww HHHH N.R. & W.M.	45452	29	17	3	5	-	1	1	2	1	-	-	-	1	1	2	8	-
Regent's Park Pancras H - - W.M.	89115	19	8	2	1	-	-	-	-	-	-	-	-	-	1	2	-	-
Tottenham-court WHHHH N.R. & W.M.	27729	12	24	2	8	-	-	-	1	-	-	-	-	-	-	-	-	14
Gray's Inn Lane HHH - - N.R.	30247	17	19	8	1	-	-	-	-	4	-	-	-	-	2	4	6	-
Somers Town H - - - N.R.	84369	26	16	4	5	-	1	-	-	1	-	-	-	-	1	1	-	-
Camden Town WH - - - N.R.	17811	9	11	4	3	-	-	-	-	-	-	-	-	-	1	4	-	-
Kentish Town W - - - N.R.	87487	57	26	7	5	-	1	-	-	-	-	-	-	-	2	2	5	-
Upper Holloway WWH - - N.R.	67944	42	31	6	11	-	-	-	1	1	-	-	-	-	1	4	12	-
Islington South-west HH - - N.R.	109976	67	37	10	9	-	1	-	-	3	-	-	-	-	-	-	-	7
Islington South-east - - - N.R.	61826	34	14	6	4	-	8	-	-	1	-	-	-	-	-	-	-	-
Highbury H - - - N.R.	82048	34	18	5	5	-	1	-	-	2	-	-	-	-	-	-	-	1
Stoke Newington H - - - N.R.	22781	10	7	3	1	-	-	-	-	2	-	-	-	-	-	-	-	-
Stamford Hill - - - E.L.	9277	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - - - N.R.	37610	18	10	2	1	-	1	-	-	-	-	-	-	1	-	1	3	-
Hackney Ww H - - - E.L. & N.R.	76911	65	48	12	12	-	-	-	3	4	9	-	-	-	-	-	-	18
South Hackney - - - E.L.	39488	22	6	2	1	-	-	-	-	-	-	-	-	-	1	2	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury - - - N.R.	14681	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Giles South WH - - - N.R.	14864	9	8	3	3	-	-	-	-	-	-	-	-	-	-	-	1	2
St. Giles North - - - N.R.	18937	3	4	-	1	-	-	-	-	-	-	-	-	-	1	3	-	-
St. Martin-in-the-Fields HHN R. & C.	17599	2	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand H - - - N.R.	7615	2	3	-	1	-	-	-	-	1	-	-	-	-	-	1	2	4
St. Clement Danes H - - - N.R.	5559	2	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6
Strand Union Workhouse, Edmonton w.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Geo.-the-Martyr HHHHHH N.R.	18671	13	8	1	1	-	1	-	1	-	-	-	-	-	-	-	-	4
St. Andrew Eastern W - - - N.R.	10706	5	3	1	1	-	-	-	-	1	-	-	-	-	-	-	1	1
Saffron Hill H - - - N.R.	6383	1	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - - N.R.	17516	4	7	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - - - N.R.	19241	9	3	2	-	-	-	-	-	1	-	-	-	-	1	2	-	-
Pentonville - - - N.R.	14773	14	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goosewell-street - - - N.R.	17603	12	6	2	2	-	1	-	-	1	-	-	-	-	1	2	-	-
Old-street H - - - N.R.	11541	10	3	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-
City-road HHL - - - N.R.	16625	15	5	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Whitecross-street - - - N.R.	9217	9	6	4	1	-	-	-	-	-	-	-	-	-	-	-	2	-
Finsbury - - - N.R.	7442	1	1	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-
Holborn Union Workhouse, Mitcham, w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - - - N.R. & E.L.	11174	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - - N.R.	7193	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - - N.R.	5352	2	20	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Bride W - - - N.R.	8396	1	3	-	1	-	-	-	1	1	-	-	-	-	-	3	8	18
Allhallows Barking - - - N.R.	13546	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Broad Street H - - - N.R.	6592	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—WV house; H—Hospital; L—Lunatic Asylum; L—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the W Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. South and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT day, 10th May, 1890.

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enu- mer- ated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of														
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.																			
High South	HL*	-	-	N.R.	22843	7	10	3	-	-	2	-	3	-	-	-	-	2	-
New Town	W	-	-	N.R.	28937	22	18	5	4	-	-	-	3	-	-	-	5	-	-
Old Town	-	-	-	N.R.	28035	25	14	5	1	-	-	-	3	-	-	-	1	-	-
Ston	WH	-	-	N.R. & E.L.	46275	30	20	4	4	-	5	-	1	-	-	1	2	-	-
Green North	H	-	-	E.L.	51157	44	8	2	1	-	1	-	-	-	-	1	1	1	-
Green South	-	-	-	E.L.	34389	22	10	5	2	-	-	-	-	-	-	1	2	-	-
Green East	WHL*	-	-	E.L.	41405	29	19	7	4	-	-	1	3	-	-	1	2	1	-
Olds	-	-	-	E.L. & N.R.	22585	16	5	1	2	-	-	-	-	-	-	-	-	-	-
New Town	W	-	-	E.L.	15473	20	8	4	2	-	1	-	1	-	-	-	-	7	-
Chapel Church	H	-	-	E.L. & N.R.	17490	9	18	4	3	-	-	-	-	-	-	1	4	6	10
an's Fields	-	-	-	E.L.	9713	4	-	-	-	-	-	-	-	-	-	1	-	-	-
-	-	-	-	N.R. & E.L.	6102	4	3	1	2	-	-	-	-	-	-	-	-	-	-
arge's, North	-	-	-	E.L.	38747	24	14	4	2	-	-	-	1	-	-	-	8	-	-
n, St. George East	W	-	-	E.L.	8410	7	13	2	3	-	2	-	-	-	-	1	2	5	-
ll	H	-	-	E.L. & N.R.	10935	7	8	3	-	-	-	1	-	-	-	1	1	6	-
-	-	-	-	E.L.	16107	9	4	-	2	-	-	-	-	-	-	-	-	-	-
use	-	-	-	E.L.	32041	20	18	6	2	-	-	1	2	-	-	1	4	-	-
nd Old Town West	H	-	-	E.L.	37960	84	17	4	1	-	-	2	4	-	-	-	1	-	1
nd Old Town East	WuH	-	-	E.L.	67553	31	26	12	5	-	-	1	3	-	-	-	1	3	-
J	WuH	-	-	E.L.	37074	23	13	5	-	-	-	1	1	-	-	2	2	1	-
WuH	-	-	-	E.L.	64559	59	31	7	6	-	1	-	-	-	-	1	4	11	-
WuH	-	-	-	E.L.	56077	29	15	1	5	-	-	1	2	-	-	-	2	1	-
SOUTH DISTRICTS.																			
Church Southwark	WH	-	-	L. & S.	13663	6	4	1	2	-	-	-	-	-	-	-	-	2	-
Four Southwark	-	-	-	S.	14999	8	2	1	1	-	-	-	-	-	-	-	-	-	-
oad	-	-	-	S. & L.	21381	11	4	3	-	-	-	-	-	-	-	-	1	-	-
h-road	HL	-	-	S. & L.	15553	16	10	3	1	-	1	-	3	-	-	-	4	-	-
oad	WH	-	-	L. & S.	21318	11	8	3	1	-	-	-	-	-	-	2	2	3	-
Newington	-	-	-	S. & L.	26673	16	13	3	4	-	-	-	-	-	-	1	2	-	-
Walworth	W	-	-	S. & L.	50555	30	19	6	5	-	3	-	-	-	-	-	1	-	-
Newington	-	-	-	L. & S.	21623	15	1	1	-	-	-	-	-	-	-	-	-	-	-
e	WH	-	-	S.	12956	12	12	1	2	-	-	-	-	-	-	2	4	10	-
Market	-	-	-	S. & L.	16800	10	6	3	1	-	-	-	1	-	-	-	-	-	-
Magdalen	W	-	-	S.	14669	11	3	1	-	-	-	-	-	-	-	-	-	-	-
et Bermondsey	-	-	-	S.	46683	45	24	4	5	-	2	-	2	-	-	1	3	-	1
iths	WH	-	-	S. & K.	36024	28	23	2	8	-	1	-	1	-	-	1	1	9	-
o-road 1st	H	-	-	L. & S.	15195	7	8	3	2	-	4	-	-	-	-	-	-	-	-
o-road 2nd	H	-	-	L. & S.	16351	18	7	2	1	-	1	-	-	-	-	4	5	13	1
h Church 1st	H	-	-	L. & S.	19876	12	13	2	1	-	-	-	2	-	-	-	-	-	-
h Church 2nd	WW	-	-	L. & S.	39359	30	16	4	7	-	1	-	-	-	-	-	1	7	-
ton 1st	-	-	-	S. & L.	45232	28	19	3	7	-	-	-	-	-	-	1	1	-	-
ton 2nd	-	-	-	S. & L.	36532	18	9	3	3	-	-	-	1	-	-	-	-	-	-
W	-	-	-	L. & S.	62837	32	22	5	7	-	-	1	2	-	-	1	1	1	-
d	W	-	-	L.	19017	9	4	-	2	-	-	-	-	-	-	-	-	-	-
attersea	-	-	-	S.	54675	50	17	6	2	-	-	-	1	-	-	2	3	-	1
attersea	WuH	-	-	S.	52387	26	23	4	8	-	1	-	-	-	-	1	1	2	8
h	H	-	-	S.	36330	17	15	5	3	-	-	1	-	-	-	-	-	-	-
orth	WHL	-	-	S.	28004	21	15	3	4	-	1	-	1	-	-	-	2	3	-
um	-	-	-	S.	18235	7	5	-	4	-	-	-	-	-	-	-	1	-	-
um	-	-	-	L.	25553	21	4	1	1	-	1	-	-	-	-	-	-	-	-
well	W & L*	-	-	L. & S.	5590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
W	-	-	-	S. & L.	59104	38	21	3	9	-	-	-	1	-	-	1	1	9	1
ge Camberwell	-	-	-	S., L. & K.	71089	45	16	3	7	-	-	-	1	-	-	1	1	1	-
ge Camberwell	-	-	-	L. & S.	50310	46	28	7	2	-	2	-	1	-	-	1	2	-	8
Deptford	Wu	-	-	K.	76752	54	37	9	6	-	-	1	4	3	-	-	1	2	6
las Deptford	-	-	-	K.	7901	2	2	-	-	-	-	-	-	-	-	-	-	-	-
ch West	H	-	-	K.	21972	13	2	1	1	-	-	-	-	-	-	1	-	8	-
ch East	WHH	-	-	K.	24608	29	13	3	6	-	1	-	1	-	-	-	1	-	-
H	-	-	-	K.	5043	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m	WH	-	-	K.	21559	9	3	1	1	-	-	-	-	-	-	-	-	-	-
m	H	-	-	K.	19865	12	5	1	2	-	-	1	-	-	-	1	-	1	-
m	H	-	-	L.	26076	21	5	1	1	-	-	1	-	-	-	1	1	-	-
A	H	-	-	K.	10930	12	5	-	1	-	-	-	-	-	-	-	-	3	-
ch Dockyard	-	-	-	K.	17617	11	3	1	1	-	-	1	-	-	-	-	-	-	2
ch Arsenal	HH	-	-	K.	19043	11	4	2	1	-	-	-	1	-	-	1	1	-	-
ad, West	H	-	-	K.	14009	7	4	-	2	-	-	-	-	-	-	-	-	-	-
ad, East	W	-	-	K.	19241	22	16	3	4	-	-	-	-	-	-	1	2	4	1
Man Asylum Hospitals:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ford	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shore Hill	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page) :-

Debone Infirmary in Kensington Town sub-district.  
 London Sick Asylum in Tottenham Court sub-district.  
 Infirmary in Upper Holloway sub-district.  
 City Workhouse " Hackney sub-district.  
 " " Hoxton New Town sub-district.  
 " " Mile End Old Town Eastern sub-dist.  
 " " Mile End Old Town Eastern sub-dist.  
 " " " and Bromley sub-district.  
 Metropolitan Asylum District Hospitals in Fulham, Hamstead, Hark-  
 ness, Brixton, and St. Paul, Deptford sub-districts, and in Dartford  
 and Edmonton sub-districts outside Registration London.  
 Strand and Holborn Workhouses outside Registration London.  
 At April 1890 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 10th May, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlat Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,957	779	401	92	94	-	13	2	4	19	1	5	15	30	46	
30:1	Carshalton <i>wL</i> -	12228	21116	6	4	-	3	-	-	-	-	-	-	-	2	2	-	
2	Epsom (part of)* <i>WwH</i>	9971	10710	7	3	-	1	-	-	-	-	-	-	-	-	1	1	
37:1	Godstone (part of) * -	2754	1235	1	1	1	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i> -	20851	101241	52	38	7	11	-	3	-	-	3	-	-	-	1	12	
2	Mitcham <i>w†</i> -	11697	17932	16	7	1	1	-	1	-	-	-	-	1	-	-	-	
39:1	Wimbledon <i>HHH</i> -	3220	15950	19	6	4	1	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	8549	36354	23	9	3	1	-	-	-	-	-	-	-	-	2	-	
3	Esher (part of) * -	6601	9221	11	3	1	-	-	-	-	-	-	-	-	2	2	-	
4	Hampton <i>H</i> -	4573	13539	7	4	1	1	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i> -	2272	21302	7	5	1	2	-	-	-	-	-	-	-	-	-	1	
2	Mortlake -	2941	12331	8	5	2	-	-	-	-	-	2	-	-	-	1	-	
41:1	Bromley (pt. of) * <i>HH</i>	16669	81142	21	6	-	2	-	-	-	-	-	-	-	-	-	-	
2	Chislehurst (pt. of) * <i>WHH</i>	14307	15844	5	6	-	3	-	-	-	-	-	-	-	-	-	1	
42:1	Bexley <i>H</i> -	13437	24134	12	7	-	3	-	-	-	-	-	-	-	-	-	1	
2	Dartford ( <i>Ww</i> , pts. of)*†	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
124:1	Sunbury <i>w</i> -	11055	11685	12	3	-	-	-	-	-	-	-	-	-	-	-	2	
2	Staines <i>W</i> -	13277	12039	8	4	-	2	-	2	-	-	-	-	-	-	-	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	7	2	-	-	-	-	-	-	-	-	-	-	-	-	
2	Uxbridge -	6173	5225	2	1	1	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14587	11523	2	4	-	2	-	-	-	-	-	-	-	-	-	3	
126:1	Isleworth <i>WHH</i> -	7003	22727	11	13	4	4	-	1	-	-	-	-	-	-	-	5	
2	Twickenham <i>H</i> -	2477	12479	11	5	1	2	-	-	-	-	-	-	-	-	1	-	
3	Brentford <i>HL</i> -	4345	27649	14	9	3	1	-	-	-	1	-	-	1	-	-	-	
4	Chiswick -	1340	15975	12	2	-	-	-	-	-	-	-	-	-	-	1	-	
5	Acton <i>wH</i> -	6033	22376	23	8	2	1	-	-	-	-	-	1	1	1	2	-	
127:1	Harrow <i>H</i> -	13809	12796	3	6	-	2	-	-	-	-	-	-	-	-	-	1	
2	Edgware <i>H</i> -	6994	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	35	14	2	5	-	-	-	-	2	-	-	1	1	-	
4	Hendon <i>W</i> -	8333	10484	11	11	3	-	-	-	-	-	-	-	-	2	2	4	
137:1	Bushey -	9331	6621	4	3	-	-	-	-	-	-	1	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms -	15199	6391	5	2	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5133	10092	1	2	-	2	-	-	-	-	-	-	-	-	-	-	
3	Finchley <i>HL</i> -	4638	17615	15	9	1	3	-	-	-	-	-	-	-	-	-	6	
135:1	Hatfield (part of) * -	3306	583	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i> -	3039	37078	33	10	2	4	-	-	-	-	1	-	-	-	-	-	
2	Tottenham <i>H</i> -	4642	46456	67	39	11	8	-	3	-	1	3	-	-	1	3	-	
3	Edmonton <i>Ww</i> -	7453	23403	25	8	2	2	-	-	-	-	-	-	1	-	-	-	
4	Enfield <i>WH</i> -	12653	19104	24	5	2	1	-	-	-	-	-	-	-	-	-	-	
5	Waltham Abbey -	11017	5368	4	3	2	1	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8430	7735	2	5	2	2	-	1	-	-	-	-	-	-	1	-	
136:1	Stratford -	882	38606	24	15	4	3	-	-	-	1	-	-	-	2	3	-	
2	West Ham <i>wvH</i> † -	4055	90347	103	49	14	7	-	1	1	-	3	-	1	2	2	-	
3	East Ham <i>wv</i> -	3298	10706	14	7	3	1	-	-	-	-	-	-	-	-	2	-	
4	Leyton <i>WwL</i> -	4372	32430	33	22	7	3	-	-	-	-	2	-	-	-	-	5	
5	Walthamstow <i>H</i> -	6520	28869	42	17	5	1	-	-	1	2	1	-	-	-	-	-	
137:1	Chigwell (part of) * <i>H</i>	11761	9639	6	12	-	3	-	1	-	-	-	-	-	2	3	-	
2	Epping ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of) * <i>W</i>	6730	3411	10	2	-	1	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	8493	7645	4	2	-	1	-	-	-	-	-	-	-	-	-	-	
3	Barking Town -	4127	9203	13	2	-	1	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30: 2, Epsom sub-district, except the parishes of Anstead and Headley (pop. 1265); 37: 1, the parishes of Warringham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 135: 1, the parish of Nonsaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139: 1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 17: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

§ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

BLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 10th May, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
TER LONDON	448,334	5,758,500	16·9	2·3	1870	452	438	-	75	14	29	118	4	16	77	371	
WER LONDON -	77,410	4,421,001	17·3	2·5	1469	360	344	-	62	12	25	99	3	11	62	325	
THE RING -	370,924	1,336,839	15·6	1·7	401	93	94	-	13	2	4	19	1	5	15	46	

RE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0·622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,225,668 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
UTTA -	433,219	April 5	-	-	-	-	-	-	-	-	-	-	-
BAY -	773,196	" 15	247	416	23·3	3	2	?	?	?	139	30	
BRAS -	398,777	March 28	280	291	37·9	-	16	?	?	?	89	39†	
B -	2,260,945	May 3	1122	1094	25·2	3	49	4	34*	10	9	54	
BRUSSELS - (Faubourgs.)	477,288	" 3	271	161	17·5	1	1	1	1	3	2	15	
BERDAM -	406,302	" 3	264	189	24·2	-	3	-	3	5	1	-	
BERDAM -	203,486	" 3	139	81	20·7	-	-	-	-	-	-	1	
HAGUE -	156,497	" 3	82	57	18·9	-	-	-	-	-	-	-	
COPENHAGEN -	307,000	" 3	171	120	20·4	-	-	2	6	3	-	3	
STOCKHOLM -	228,218	April 26	147	98	21·5	-	-	11	4*	1	-	6	
STETANIA -	143,300	May 3	73	55	20·0	-	-	-	2	1	-	-	
PETERSBURG -	924,466	April 19	-	627	35·4	2	24	26	10	3	4	65	
BERLIN -	1,526,887	" 19	989	680	23·1	-	14	8	33	11	2	57	
BERG (State) -	575,276	" 26	411	254	23·0	-	3	-	12†	1	1	25	
BERG -	269,250	" 26	156	122	23·6	-	-	1	7*	-	-	11	
BRATISLAVA -	324,143	May 3	192*	161	26·4	-	-	6	4*	2	-	8	
BUDAPEST -	298,000	April 26	251	148	25·8	1	2	-	6*	1	-	17	
BUDAPEST -	822,176	May 3	544	435	27·5	1	11	1	4	2	-	38	
BUDAPEST -	314,425	" 3	-	166	27·5	-	5	2	6	1	1	8	
BUDAPEST -	463,017	April 26	310	209	33·6	-	4	3	17	-	4	28	
BUDAPEST -	160,092	May 3	111	97	31·5	-	-	-	3*	-	-	3	
BUDAPEST -	415,498	April 5	238	143	18·2	-	5	-	3	-	3†	6	
BUDAPEST (11 days) -	314,827	" 10	-	-	-	-	-	-	-	-	-	-	
BUDAPEST -	156,515	" 26	-	-	-	-	-	-	-	-	-	-	
BUDAPEST -	374,838	" 17	335	299	41·5	-	-	-	1	3	15	98	
ALEXANDRIA -	231,396	" 17	220	153	34·4	2	-	-	1	1	5	33	
BUDAPEST -	1,595,547	" 19	-	721	23·4	-	31	5	31	4	1	13	
BUDAPEST -	852,467	" 19	-	329	20·0	-	5	-	21	2	2	2	
BUDAPEST -	1,064,277	" 19	-	432	21·2	-	10	5	8	2	13	3	
PHILADELPHIA -	1,064,277	" 26	-	431	21·1	-	6	6	10	2	15	4	
PHILADELPHIA -	500,343	" 26	-	184	19·1	-	6	3	1	2	5	2	
NEW ORLEANS -	254,000	" 12	-	124	25·5	-	1	-	1	-	1	4	

\* Including deaths from croup.

† Including 1 death from cholera.

‡ Including 2 deaths from malarial fever.





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# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 20. 1890. VOL. LI.] WEEK ENDING SATURDAY, MAY 17. [Price 1½d.

General Register Office, Somerset House,  
19th May, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·9 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Apr. 26.	May 3.	May 10.	May 17.		Apr. 26.	May 3.	May 10.	May 17.
Birkenhead	17·9	19·4	15·4	11·9	Liverpool -	21·9	23·6	20·2	23·5
Birmingham	16·5	16·1	20·0	19·9	London -	18·5	18·1	17·3	17·3
Blackburn -	25·3	21·9	17·3	22·8	Manchester -	30·4	33·1	31·3	35·0
Bolton -	23·9	36·0	32·4	32·4	Newcastle-on-Tyne	30·7	25·3	32·3	25·9
Bradford -	22·3	22·8	20·4	22·5	Norwich -	19·1	24·6	17·5	20·2
Brighton -	16·0	15·6	15·2	13·1	Nottingham -	19·4	13·6	16·6	15·5
Bristol -	20·0	20·9	14·4	19·1	Oldham -	18·8	21·3	21·0	18·5
Cardiff -	24·5	17·8	16·0	19·2	Plymouth -	20·5	21·8	20·5	17·2
Derby -	24·8	27·9	27·4	24·3	Portsmouth -	20·8	15·7	15·7	16·0
Halifax -	24·8	15·9	25·4	17·8	Preston -	25·3	24·8	20·3	22·3
Huddersfield	17·1	21·6	10·5	16·0	Salford -	27·1	25·8	22·8	20·9
Hull -	18·0	21·0	17·6	17·6	Sheffield -	29·1	29·6	26·2	26·8
Leeds -	22·8	21·5	22·8	23·5	Sunderland -	22·9	27·1	21·4	28·6
Leicester -	17·9	16·6	12·5	16·9	Wolverhampton -	20·0	20·6	13·8	16·9

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·3 in Wolverhampton and in Cardiff, 2·3 in Birmingham, and 7·8 in Derby; from *scarlet fever*, 1·0 in Manchester, 1·1 in Oldham, 1·5 in Sunderland, and 2·3 in Bolton; from *whooping-cough*, 1·0 in London, 1·3 in Cardiff, 1·5 in Liverpool, and 1·6 in Derby; and from *fever*, 1·1 in Norwich. The 38 deaths from *diphtheria* included 21 in London, 8 in Salford, 3 in Manchester, and 2 in Liverpool. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2468 BIRTHS and 1466 DEATHS were registered. Allowing for increase of population, the births were 232, and the deaths 109, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from 19·1 to 17·3, was again 17·3 last week. During the first seven weeks of the current quarter the death-rate averaged 18·0 per 1000, this rate being 1·7 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1466 deaths included 70 from *measles*, 17 from *scarlet fever*, 21 from *diphtheria*, 88 from *whooping-cough*, 8 from *enteric fever*, 2 from ill-defined forms of continued fever, 17 from *diarrhoea* and *dysentery*, and not one from *small-*

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



pox, typhus, or cholera; thus, 223 deaths were referred to these diseases, being 7 above the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 20; three cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had ranged between 61 and 67 in the four preceding weeks, rose last week to 70, exceeding the corrected average by 7; 7 belonged to Kensington, 8 to Marylebone, 7 to Islington, 4 to Bermondsey, 4 to Lambeth, and 5 to Greenwich sanitary areas. The fatal cases of *scarlet fever*, which had declined in the three previous weeks from 17 to 12, increased again last week to 17, being, however, 5 below the corrected average; 4 belonged to Hackney and 2 to Bermondsey sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1102 scarlet-fever patients at the end of last week, against 1102 and 1087 in the two previous weeks; 131 cases were admitted to these hospitals during the week, against 95 and 131 in the two preceding weeks. The deaths from *diphtheria*, which had been 18 and 25 in the two preceding weeks, declined again last week to 21, exceeding the corrected average by 6; 4 belonged to Pancras, 2 to Shoreditch, 4 to Bethnal Green, and 3 to Poplar sanitary areas. The 88 deaths from *whooping-cough* were 11 fewer than the number in the previous week, but exceeded the corrected average by 21; 7 belonged to Islington, 8 to Hackney, 4 to Holborn, 6 to Shoreditch, 5 to Whitechapel, 4 to St. George-in-the-East, 4 to Mile End Old Town, 5 to Lambeth, and 6 to Wandsworth sanitary areas. The deaths from *diarrhoea*, which had been 21 and 11 in the two previous weeks, increased again last week to 17, exceeding the corrected average by 3; 13 were of infants under one year of age.

The deaths referred to *enteric fever*, which had been 6 and 3 in the two preceding weeks, increased again last week to 8, but were 2 below the corrected average; 4 belonged to the South group of sanitary areas. The Metropolitan Asylum Hospitals contained 60 cases of enteric fever, and 2 of typhus, on Saturday last; 3 cases of enteric fever were admitted during the week, against 5 in each of the two preceding weeks.

Two deaths were attributed primarily to *influenza*, the numbers so returned in the three previous weeks having been 6, 2, and 3.

The deaths referred to diseases of the respiratory organs were 300, showing a further slight decline from the numbers in recent weeks, and corresponding with the corrected average.

Different forms of violence caused 45 deaths, concerning all but 1 of which inquests were held. Of these 45 deaths, 5 were cases of suicide, and 3 of murder or manslaughter, while the remaining 37 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 3 by burns or scalds, 6 by drowning, and 14 (of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3283 births and 1823 deaths were registered, corresponding to annual rates of 29·7 and 16·5 per 1000 of the estimated population. In the Outer Ring 23 deaths were referred to whooping-cough, 21 to measles, and 8 to diphtheria. Of the deaths from whooping-cough, 4 occurred in West Ham, 3 in Walthamstow, and 3 in Tottenham sub-districts. The deaths from measles included 8 in Tottenham and 3 in Staines sub-districts. Two deaths from diphtheria were registered in Isleworth sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·58 ins.; the lowest reading was 29·30 ins. at the beginning of the week, and the highest 29·94 ins. on Thursday morning. The mean temperature of the *air* was 55°·3, and 2°·8 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average throughout the week, the excess on Monday amounting to 5°·0 and on Friday to 4°·9. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 11·6 miles per hour, which was 1·2 miles above the average in the corresponding weeks of 16 years. *Rain* fell on five days of the week, to the aggregate amount of 0·56 of an inch. The duration of registered bright sunshine in the week was 54·0 hours, against 54·2 hours at Glynde Place, Lewes.

CITIES AND BOROUGH.	Cols.	POPULATION estimated to the middle of the Year 1860.*		Registered during the Week ending 17th May, 1860.		The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.				RAINFALL.							
		1.	2.	3.	Deaths of		Deaths from								Annual Rate corresponding to the Week				Mean.		In Inches.	In Cent.					
					Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Week Deaths	From Diseases in Cols. 6-12. Causes.	Highest.			Lowest.	Fahrenheit.	Centigrade.		
28 TOWNS	-	9,715,559	5646	3704	811	800	-	130	55	38	150	44	50	111	226	713	79	19.9	2.5	71.9	40.0	52.2	11.22	0.65	1.65	-	28 TOWNS.
LONDON	-	4,421,661	2408	1466	389	320	-	70	17	21	88	10	17	45	99	376	16	17.3	2.6	71.9	42.3	55.3	12.94	0.56	1.42	-	LONDON.
BRIGHTON	-	123,650	51	31	8	7	-	-	-	-	1	-	1	1	1	3	-	13.1	0.8	69.0	45.9	55.2	12.89	0.41	1.04	-	BRIGHTON.
PORTSMOUTH	-	142,962	89	44	7	12	-	-	-	-	1	2	-	1	3	6	1	16.0	1.5	-	-	-	-	-	-	-	PORTSMOUTH.
NORWICH	-	95,852	58	37	7	11	-	-	-	-	1	2	-	1	3	2	-	20.2	1.6	-	-	-	-	-	-	-	NORWICH.
PLYMOUTH	-	78,750	42	26	7	5	-	1	-	-	1	-	-	1	1	2	-	17.2	1.3	66.2	46.3	54.2	12.83	0.05	0.13	-	PLYMOUTH.
BRISTOL	-	232,248	141	85	13	24	-	2	-	-	3	2	2	2	6	16	1	19.1	1.6	64.0	44.0	51.3	10.72	0.36	0.91	-	BRISTOL.
WOLVERHAMPTON	-	83,406	40	27	7	7	-	2	-	-	1	-	-	2	3	10	1	16.9	1.9	66.0	40.6	50.0	10.00	0.50	1.27	-	WOLVERHAMPTON.
BIRMINGHAM	-	461,865	206	176	45	29	-	20	1	1	3	6	2	9	15	43	10	19.9	3.7	-	-	-	-	-	-	-	BIRMINGHAM.
LEICESTER	-	154,344	85	60	12	13	-	-	-	-	-	-	2	1	3	10	2	16.9	0.7	-	-	-	-	-	-	-	LEICESTER.
NOTTINGHAM	-	244,909	111	78	19	18	-	1	1	-	1	1	2	-	1	1	1	15.5	1.3	66.6	40.5	51.6	10.89	1.16	2.95	-	NOTTINGHAM.
DERBY	-	100,871	53	47	11	7	-	15	-	-	3	-	-	2	3	7	-	24.3	9.3	-	-	-	-	-	-	-	DERBY.
BIRKENHEAD	-	105,019	64	24	1	3	-	-	-	-	1	1	-	1	2	4	-	11.9	1.0	-	-	-	-	-	-	-	BIRKENHEAD.
LIVERPOOL	-	613,463	358	276	75	40	-	9	3	2	18	2	2	15	16	46	16	23.5	3.1	62.9	44.1	51.2	10.67	0.40	1.02	-	LIVERPOOL.
BOLTON	-	115,816	54	72	9	17	-	-	5	1	1	-	-	-	2	4	1	32.4	3.2	-	-	-	-	-	-	-	BOLTON.
MANCHESTER	-	379,437	264	255	49	54	-	2	7	3	4	6	6	8	23	51	4	35.0	3.8	-	-	-	-	-	-	-	MANCHESTER.
SALFORD	-	242,509	144	97	22	16	-	1	1	8	2	-	1	1	3	17	5	20.9	2.8	-	-	-	-	-	-	-	SALFORD.
OLDHAM	-	146,716	75	52	11	14	-	-	3	-	1	-	-	1	2	7	-	18.5	1.4	-	-	-	-	-	-	-	OLDHAM.
BLACKBURN	-	123,553	71	64	12	9	-	-	2	-	1	1	3	1	2	7	-	22.8	2.5	-	-	-	-	-	-	-	BLACKBURN.
PRESTON	-	105,163	71	45	12	9	-	-	-	-	1	1	2	1	2	11	-	22.3	2.0	-	-	-	-	-	-	-	PRESTON.
HUDDERSFIELD	-	94,253	47	29	5	9	-	-	-	-	1	1	-	1	2	3	-	16.0	1.1	-	-	-	-	-	-	-	HUDDERSFIELD.
HALIFAX	-	82,034	39	28	5	8	-	1	-	-	-	-	-	1	1	6	-	17.8	0.6	-	-	-	-	-	-	-	HALIFAX.
BRADFORD	-	240,515	151	104	11	23	-	1	2	-	-	1	2	3	4	14	2	22.5	1.3	62.0	43.2	50.4	10.22	1.65	4.19	-	BRADFORD.
LEEDS	-	363,799	247	164	38	43	-	-	3	-	6	5	3	3	10	13	2	23.5	2.4	-	-	-	-	-	-	-	LEEDS.
SHEFFIELD	-	332,637	183	171	27	40	-	4	5	-	5	1	-	5	7	13	8	26.8	2.3	-	-	-	-	-	-	-	SHEFFIELD.
HULL	-	213,833	139	72	14	21	-	-	-	-	1	-	-	1	2	9	5	17.6	0.2	63.0	40.0	51.0	10.56	0.78	1.98	-	HULL.
SUNDERLAND	-	156,606	98	75	19	14	-	-	-	-	1	1	-	3	2	6	12	1	28.6	3.1	-	-	-	-	-	-	SUNDERLAND.
NEWCASTLE	-	162,967	126	81	16	22	-	-	-	-	1	2	1	-	3	12	3	25.9	1.3	-	-	-	-	-	-	-	NEWCASTLE.
CARDIFF	-	117,012	79	43	10	5	-	3	1	-	3	1	2	1	3	4	-	19.2	4.5	-	-	-	-	-	-	-	CARDIFF.
EDINBURGH	-	271,135	152	83	12	19	-	4	1	1	4	-	3	2	9	18	12	16.0	2.5	63.8	41.5	51.1	10.61	1.14	2.90	-	EDINBURGH.
GLASGOW	-	130,208	207	241	44	36	-	20	2	1	8	1	4	11	9	27	20	23.7	3.5	61.3	42.2	52.2	11.22	1.72	4.37	-	GLASGOW.
DUBLIN	-	383,082	163	152	32	33	-	3	1	-	2	4	2	5	4	47	14	22.5	1.8	60.0	38.1	50.2	10.11	0.75	1.90	-	DUBLIN.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTIETH Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2296	2463	2462	2407	2556	2391	2690	2483	2364	2648	2700·0	2468
Males . .	1195	1285	1233	1211	1279	1222	1340	1242	1256	1353	1376·3	1283
Females . .	1101	1178	1229	1196	1277	1169	1350	1241	1108	1290	1323·7	1185
<b>TOTAL Deaths</b>	1297	1488	1419	1530	1536	1554	1379	1536	1469	1231	1574·5	1466
Males . .	653	749	710	793	801	811	706	819	754	631	809·9	762
Females . .	644	739	709	737	735	743	673	717	715	600	764·6	704

\* The numbers in this column are the average weekly numbers in the twentieth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Feb. 22.	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.
<b>TOTAL Births</b>	2702	2561	2536	2717	2534	2543	2329	2360	2935	2538	2613	2308	2468
<b>TOTAL Deaths</b>	1847	1802	1889	1771	1637	1571	1419	1619	1611	1567	1533	1469	1466
Ages at Death { 0–20 years	753	739	798	776	729	743	657	774	782	742	721	712	707
20–40 "	256	234	226	196	193	204	183	204	177	197	210	170	178
40–60 "	363	324	348	303	296	264	239	275	282	255	227	243	261
60–80 "	374	418	428	404	342	309	285	308	291	313	305	274	257
80 years & upwards	101	87	89	92	77	51	55	58	79	60	70	70	63
" { Under 1 year	393	367	394	392	381	366	310	372	356	369	337	360	339
1–5 "	259	263	294	271	270	304	253	298	322	286	294	251	266
5–20 "	101	109	110	113	73	73	94	104	104	87	90	101	102
Deaths from Small-pox	1	—	—	—	—	—	—	—	—	—	1	—	—
" " Measles	14	19	35	35	45	45	35	54	65	61	67	62	70
" " Scarlet fever	13	14	12	18	11	10	8	12	13	17	15	12	17
" " Diphtheria	27	24	19	25	23	30	20	21	17	20	18	25	21
" " Whooping-cough	103	97	95	86	76	101	84	79	106	88	86	99	88
" " Typhus	—	—	—	—	—	—	—	1	—	—	1	—	—
" " Enteric fever	8	7	4	3	7	7	2	4	8	6	6	3	8
" " Simple Cont <sup>d</sup> fever	1	1	1	1	—	1	1	—	—	1	—	—	2
" " Diarrhoea and Dysentery }	21	12	9	14	14	13	10	10	11	13	21	11	17
" " Cholera	—	—	—	—	—	—	—	—	—	—	—	—	—
" " all the above- mentioned Diseases }	188	174	175	182	176	207	160	181	220	206	215	212	223
" " Dis. of Respira- tory System	452	492	510	447	381	375	296	384	380	345	326	301	300
" " Phthisis	218	224	206	164	169	154	180	174	189	154	143	139	154
" " Dis. of Circula- tory System }	162	146	163	145	148	120	114	151	133	119	140	132	124
Violent Deaths	77	52	65	76	49	61	36	60	41	61	61	62	45
Inquest Cases	143	134	120	162	115	117	85	133	105	125	124	134	99
Deaths in Public Institutions	434	425	406	390	406	277	362	382	333	374	342	326	376
TEMPERATURE OF THE AIR													
Mean	39·4	35·4	36·4	45·3	43·3	49·0	43·8	43·2	46·1	47·1	50·7	52·4	55·3
Mean of Highest readings	43·9	42·0	43·6	54·0	52·0	57·3	54·9	52·0	53·8	56·7	62·2	61·6	67·4
Mean of Lowest readings	35·9	30·4	29·0	37·6	36·0	42·6	33·1	37·0	39·9	40·1	38·9	44·6	45·6
Humidity of the Air	89	87	69	79	82	84	72	72	81	82	67	80	69
Rain-fall in inches	0·04	0·22	0·33	0·24	0·81	0·41	0·00	0·29	0·38	1·00	0·07	0·56	0·56
Registered Sunshine (in hours)	12·4	9·7	12·1	28·1	21·5	14·6	59·8	22·0	27·0	15·9	63·9	14·2	54·0

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitledge, Esq., M.D., Nottingham; J. Harrop, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandborough, Esq., F.R.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

## Deaths from different Causes.

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TABLE 4. LONDON.--DEATHS Registered at several groups of AGES from different CAUSES in the TWENTIETH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 20th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 17th May 1890.								CAUSES OF DEATH.	Corrected Averages for the 20th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 17th May 1890.							
		Deaths of Persons of the Ages										Deaths of Persons of the Ages							
		ALL AGES.	Under 20.			21 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
			0-1.	1-5.	5-20.								0-1.	1-5.	5-20.				
ALL CAUSES - -	1574.5	1466	339	266	102	178	261	257	63	Diseases of Organs of Special Sense † - - }	2.0	4	1	-	1	1	-	1	-
Small-pox { Vaccinated† - - - - -	29.8 {	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - - }	103.3	124	1	-	6	10	45	46	7
Unvaccinated - - - - -		-	-	-	-	-	-	-	-	-	Croup - - - - -	13.3	9	1	3	5	-	-	-
No Statement - - - - -		-	-	-	-	-	-	-	-	Bronchitis - - - - -	159.0	150	34	36	-	4	19	47	10
Measles - - - - -	63.1	70	12	51	7	-	-	-	-	Pneumonia - - - - -	92.5	123	28	36	5	12	23	18	1
Scarlet Fever - - - - -	21.8	17	-	10	7	-	-	-	-	Pleurisy - - - - -	6.8	6	-	-	-	2	4	-	-
Typhus - - - - -	1.0	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - - }	28.0	12	4	4	-	-	2	1	1
Relapsing Fever † - - - -	0.0	-	-	-	-	-	-	-	-	Dentition † - - - - -	18.0	10	4	6	-	-	-	-	-
Influenza - - - - -	0.0	2	-	-	-	-	-	2	-	Quinsy, Sore Throat † -	2.0	2	-	-	1	-	1	-	-
Whooping-cough - - - -	67.3	88	41	47	-	-	-	-	-	Enteritis - - - - -	6.7	8	3	1	1	2	1	-	-
Diphtheria - - - - -	15.0	21	-	13	7	-	1	-	-	Peritonitis - - - - -	8.0	6	-	-	2	1	2	1	-
Simple Continued and Ill-defined Fever - }	2.0	2	-	2	-	-	-	-	-	Diseases of Liver - - -	31.0	22	2	1	-	2	7	8	2
Enteric Fever - - - - -	11.0	8	-	-	5	3	-	-	-	Other Diseases of Digestive System - }	31.1	26	7	3	3	4	4	4	1
Cholera - - - - -	0.3	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - - - }	2.1	5	-	1	1	1	2	-	-
Diarrhoea, Dysentery - -	14.4	17	13	-	-	1	1	1	1	Diseases of Urinary System - - - }	39.6	41	1	-	-	8	17	13	2
Remittent Fever† - - - -	0.7	1	-	-	-	-	-	1	-	Diseases of Generative System - - - }	5.0	11	-	-	-	5	4	2	-
Hydrophobia - - - - -	0.2	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.5	3	-	-	-	2	1	-	-
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - - }	8.5	9	-	-	4	5	-	-	-
Cowpox and Effects of Vaccination † - - }	0.1	-	-	-	-	-	-	-	-	Diseases of Integumentary System - - - }	5.5	4	1	-	1	1	-	1	-
Veneral Affections - - -	9.1	10	6	-	1	-	2	1	-	VIOLENT DEATHS. §									
Erysipelas - - - - -	8.0	3	1	-	-	-	2	-	-	(ACCIDENT.)									
Pyæmia and Septicæmia †	3.6	-	-	-	-	-	-	-	-	Fracture and Contusion -	21.2	12	-	3	1	4	2	1	1
Puerperal Fever - - - -	5.6	4	-	-	1	3	-	-	-	Gunshot Wound - - - -	0.2	-	-	-	-	-	-	-	-
Other Zymotic Diseases †	2.7	-	-	-	-	-	-	-	-	Cut, Stab - - - - -	0.3	-	-	-	-	-	-	-	-
Thrush - - - - -	1.4	1	1	-	-	-	-	-	-	Burn and Scald - - - -	0.3	3	-	-	2	-	1	-	-
Worms and other Parasitical Diseases - - }	0.3	-	-	-	-	-	-	-	-	Poison - - - - -	1.6	-	-	-	-	-	-	-	-
Starvation, Want of Breast-milk † - - }	1.1	1	1	-	-	-	-	-	-	Drowning - - - - -	7.7	6	-	1	2	1	2	-	-
Alcoholism - - - - -	3.6	5	-	-	-	1	2	1	1	Suffocation - - - - -	11.7	14	14	-	-	-	-	-	-
Rheumatic Fever, Rheumatism of Heart†	7.9	7	-	-	2	2	1	2	-	Otherwise - - - - -	2.2	2	1	-	-	-	1	-	-
Rheumatism † - - - - -	3.2	4	-	-	-	-	2	2	-	(HOMICIDE.)									
Gout - - - - -	2.6	1	-	-	-	-	1	-	-	Murder & Manslaughter -	1.9	3	2	-	-	-	-	1	-
Rickets † - - - - -	4.3	6	1	5	-	-	-	-	-	(SUICIDE.)									
Cancer - - - - -	55.2	46	-	-	-	4	25	16	1	Gunshot Wound - - - -	1.0	-	-	-	-	-	-	-	-
Tabs Mesenterica - - - -	21.5	18	12	4	1	-	1	-	-	Cut, Stab - - - - -	1.3	-	-	-	-	-	-	-	-
Tubercular Meningitis -	33.3	30	8	16	5	-	1	-	-	Poison - - - - -	1.4	-	-	-	-	-	-	-	-
Phthisis - - - - -	187.2	154	1	-	16	76	50	10	1	Drowning - - - - -	1.0	1	-	-	1	-	-	-	-
Scrofula, Tuberculosis -	18.9	11	3	2	3	3	-	-	-	Hanging - - - - -	1.6	3	-	-	1	-	1	1	-
Other Constitutional Diseases † - - }	11.5	12	-	1	1	-	6	4	-	Otherwise - - - - -	1.1	1	-	-	1	-	-	-	-
Premature Birth - - - -	40.6	47	47	-	-	-	-	-	-	(EXECUTION.)									
Atelectasis † - - - - -	2.4	6	6	-	-	-	-	-	-	Hanging - - - - -	0.0	-	-	-	-	-	-	-	-
Congenital Malformations - - }	7.6	6	6	-	-	-	-	-	-	OTHER CAUSES † - - -	53.3	33	23	1	-	-	-	2	2
Old Age - - - - -	40.5	42	-	-	-	-	13	24	-										
Apoplexy - - - - -	42.7	52	-	1	-	2	14	32	3										
Epilepsy - - - - -	9.5	1	-	-	-	1	-	-	-										
Convulsions - - - - -	43.9	40	32	7	1	-	-	-	-										
Other Diseases of Brain and Nervous System	33.2	89	16	11	10	5	14	19	5										

\* The numbers in this column are the average weekly deaths for the ten years 1880-89, raised by 9.048 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-89 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The violence at inquests is often misapplied to enable the Coroner to certify whether a violent death be the result of accident, murder, an assault, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET, during the Week ending

REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	The DEATHS registered in the Week include													
				Deaths of		Deaths from											
				Infants under 1 Year of Age.	Persons aged 60 Years & up-wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
<b>LONDON</b>	3,815,704	2468	1466	339	320	-	70	17	21	88	-	8	2	17	45	99	376
West Districts	689,633	400	254	49	63	-	18	3	1	13	-	1	1	3	8	15	73
North Districts	905,947	568	303	70	68	-	21	7	9	17	-	1	-	2	8	13	71
Central Districts	282,238	162	107	23	16	-	2	-	3	8	-	2	-	3	3	10	36
East Districts	692,738	458	318	79	62	-	9	1	6	24	-	-	1	3	15	33	103
South Districts	1,265,148	882	484	113	109	-	20	6	2	28	-	4	-	7	11	28	90
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>WEST DISTRICTS.</b>																	
St. Mary Paddington WHH G.J. & W.M.	69883	60	26	7	3	-	3	-	-	1	-	-	-	-	-	-	3
St. John Paddington H - G.J.	37330	8	11	-	4	-	-	-	-	-	-	1	-	-	-	-	6
Kensington Town W - W.M.	120141	68	54	11	12	-	7	-	-	2	-	1	-	-	3	5	16
Brompton H - W.M. & C.	429010	17	12	2	6	-	-	-	-	-	-	-	-	-	1	-	2
St. Peter Hammersmith - W.M.	7399	8	3	1	1	-	-	-	-	1	-	-	-	-	-	-	-
St. Paul Hammersmith H W.M. & G.J.	63430	52	22	8	5	-	1	1	-	2	-	-	-	1	1	1	1
Fulham W - W.M. & C.	42900	61	23	4	2	-	2	2	-	2	-	-	-	1	1	2	10
Chelsea South HHH - C.	30398	18	11	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Chelsea North-west WHHHHH - C.	24925	16	14	5	4	-	-	-	-	-	-	-	-	-	-	2	7
Chelsea North-east - C.	32807	24	8	2	-	-	-	-	-	2	-	-	-	-	-	1	-
May Fair WW - G.J.	30353	3	16	1	7	-	-	-	-	-	-	-	-	-	-	1	13
Belgrave WHH - C.	59220	23	15	2	6	-	-	-	1	1	-	-	-	-	-	-	5
St. John Westminster HHH - C.	35498	17	10	3	2	-	1	-	2	-	-	-	-	-	-	-	-
St. Margaret Westminster H - C.	24879	8	11	1	4	-	-	-	-	-	-	-	-	-	-	-	6
St. James Westminster WHH N.R. & G.J.	29941	9	5	2	3	-	-	-	-	-	-	-	-	-	-	1	2
St. Anne Soho HHHHHH - N.R.	18608	8	9	-	1	-	1	-	-	-	-	-	-	-	1	1	2
<b>NORTH DISTRICTS.</b>																	
All Souls Marylebone HHHHH W.M.	26769	9	5	1	-	-	-	-	-	-	-	-	-	-	-	-	5
Cavendish Square HHHH - W.M.	14891	9	7	1	2	-	-	-	-	1	-	-	-	-	-	-	-
Rectory Marylebone WH G.J. & W.M.	24808	36	9	6	1	-	-	-	-	-	-	-	-	-	-	-	3
St. Mary Marylebone HHH G.J. & W.M.	21113	18	13	3	4	-	1	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone HH - W.M.	33700	16	14	4	4	-	3	-	-	-	-	-	-	-	1	1	-
St. John Marylebone H - W.M.	33633	25	10	-	3	-	1	1	-	1	-	-	-	-	-	-	2
Hampstead WWHHHH N.R. & W.M.	45452	12	8	2	1	-	-	-	-	-	-	-	-	-	-	1	4
Regent's Park Pancras H - W.M.	89115	17	7	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Tottenham-court WHHHH N.R. & W.M.	27729	18	5	1	1	-	1	-	1	-	-	-	-	-	-	-	-
Gray's Inn Lane HHH - N.R.	30247	19	10	2	1	-	2	-	-	-	-	-	-	2	2	-	1
Somers Town H - N.R.	84369	19	10	2	1	-	2	-	-	-	-	-	-	-	-	-	14
Camden Town WH - N.R.	17311	6	15	3	8	-	-	-	-	-	-	-	-	-	-	-	10
Kentish Town W - N.R.	87487	50	25	2	9	-	-	1	1	1	-	-	-	-	-	-	-
Upper Holloway WWH - N.R.	67948	57	27	4	8	-	1	-	-	1	-	-	-	1	-	1	11
Islington South-west HHH - N.R.	100976	66	25	10	3	-	5	-	-	5	-	-	-	-	-	-	-
Islington South-east - N.R.	61825	40	20	6	3	-	1	1	-	-	-	-	-	2	2	-	-
Highbury H - N.R.	82048	32	8	3	3	-	-	-	-	1	-	-	-	-	-	-	-
Stoke Newington H - N.R.	22731	14	7	-	-	-	-	-	-	1	-	1	-	-	-	-	-
Stamford Hill - E.L.	9277	7	5	1	3	-	1	-	1	-	-	-	-	-	1	1	-
West Hackney H - N.R.	87610	24	20	8	9	-	2	-	3	3	-	-	-	-	-	-	-
Hackney WWHH - E.L. & N.R.	76911	55	42	8	14	-	-	2	3	3	4	-	-	1	2	4	16
South Hackney - E.L.	39885	26	11	2	2	-	-	1	-	-	-	-	-	-	1	-	-
<b>CENTRAL DISTRICTS.</b>																	
St. George Bloomsbury - N.R.	16881	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH - N.R.	14864	17	9	3	2	-	-	-	-	-	-	-	-	-	-	-	2
St. Giles North - N.R.	13837	9	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Martin-in-the-Fields HH N.R. & C.	17502	3	6	-	1	-	-	-	-	-	-	1	-	-	-	1	3
St. Mary-le-Strand H - N.R.	7515	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H - N.R.	8659	4	4	1	-	-	-	-	-	-	-	1	-	-	-	-	3
Strand Union Workhouse, Edmonton w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Geo.-the-Martyr HHHHHH N.R.	18671	14	8	2	1	-	-	-	-	-	-	-	-	-	-	1	6
St. Andrew Eastern W - N.R.	10706	4	5	1	1	-	-	-	-	-	-	-	-	-	-	-	2
Saffron Hill H - N.R.	6553	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
St. James Clerkenwell - N.R.	17518	9	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Anwell Clerkenwell - N.R.	19231	12	5	1	-	-	-	-	1	2	-	-	-	1	1	2	-
Pentonville - N.R.	14773	15	5	3	-	-	1	-	-	-	-	-	-	-	-	-	-
Goswell-street - N.R.	17506	9	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Old-street H - N.R.	11541	10	4	2	-	-	-	-	-	1	-	-	-	-	-	3	-
City-road HHL - N.R.	18628	19	10	2	1	-	1	-	-	-	-	-	-	-	-	1	4
Whitecross-street - N.R.	9217	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury - N.R.	7483	3	3	1	-	-	-	-	-	1	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham, w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
St. Botolph H - N.R. & E.L.	11174	5	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - N.R.	7193	3	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-
St. Sepulchre H - N.R.	5558	2	16	1	5	-	-	-	2	-	-	-	-	-	-	1	15
St. Bride W - N.R.	8396	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	1
Allhallows Barking - N.R.	13666	-	4	3	-	-	-	-	-	-	-	-	-	1	1	-	-
Broad Street H - N.R.	8852	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the W. Companies which supply the different sub-districts:—G. J., signifies Grand Junction Company; W. M., West Middlesex; C., Chelsea; S., Southwark; and Vauxhall; L., Lambeth; N. R., New River; E. L., East London; and K., the Kent Company.

[illegible][illegible]



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 17th May, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON—OUTER RING		370,924	950,937	815	357	81	74	-	21	2	8	23	2	-	6	14	33
30:1	Carshalton <i>wL</i> -	12228	21118	10	5	1	1	-	-	-	-	-	-	-	-	-	4
2	Epsom (part of)* <i>WwH</i>	9971	10710	6	3	-	2	-	-	-	-	-	-	-	-	-	-
37:1	Godstone (part of)* -	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon <i>WwL</i> -	20851	101241	65	33	3	11	-	2	-	1	2	-	-	1	3	4
2	Mitcham <i>w†</i> -	11697	17932	12	8	2	2	-	1	-	-	1	-	-	-	-	-
39:1	Wimbledon <i>HHH</i> -	3220	15950	10	6	3	1	-	-	-	1	-	-	-	-	-	-
2	Kingston <i>WHH</i> -	8549	38354	29	7	3	1	-	-	-	-	1	-	-	-	-	-
3	Esher (part of)* -	6601	9221	9	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Hampton <i>H</i> -	4573	13539	9	1	-	1	-	-	-	-	-	-	-	-	-	-
40:1	Richmond <i>WH</i> -	2372	21302	13	5	-	-	-	-	-	-	-	-	-	-	1	-
2	Mortlake -	2941	12331	6	2	1	-	-	-	-	-	-	-	-	-	-	-
41:1	Bromley (pt. of)* <i>HH</i>	15669	81142	23	4	1	-	-	-	-	1	1	-	-	-	-	-
2	Chislehurst (pt. of)* <i>WHH</i>	14507	15844	4	4	3	1	-	-	-	-	1	-	-	-	-	-
42:1	Bexley <i>H</i> -	18437	24134	20	6	-	2	-	-	-	-	-	-	-	-	-	-
2	Dartford (Ww, pts. of)*†	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury <i>w</i> -	11055	11685	9	2	-	-	-	-	-	-	-	-	-	-	-	-
2	Staines <i>W</i> -	13277	12089	3	4	1	-	-	3	-	-	-	-	-	-	-	-
125:1	Hillingdon <i>WHH</i> -	6029	10802	9	-	1	1	-	-	-	-	-	-	-	1	2	-
2	Uxbridge -	6178	3225	1	2	-	-	-	-	-	1	-	-	-	-	-	-
3	Hayes <i>wHL</i> -	14587	11523	8	4	-	1	-	-	-	-	-	-	-	-	-	2
126:1	Isleworth <i>WHH</i> -	7008	22727	9	11	2	2	-	1	-	2	-	-	-	-	-	2
2	Twickenham <i>H</i> -	2477	12479	14	5	1	-	-	-	-	-	-	-	-	-	1	-
3	Brentford <i>HL</i> -	4345	27649	20	10	-	6	-	-	-	-	-	-	-	-	-	1
4	Chiswick -	1340	15975	12	9	3	-	-	1	-	-	2	-	-	-	-	-
5	Acton <i>wH</i> -	6983	22376	13	9	2	1	-	-	-	-	-	-	-	-	-	-
127:1	Harrow <i>H</i> -	13809	12796	7	4	2	-	-	-	-	-	-	-	-	-	-	1
2	Edgware <i>H</i> -	6994	3749	-	1	-	-	-	-	-	-	-	-	-	-	1	-
3	Willesden -	4388	27453	35	9	3	-	-	1	-	-	-	-	-	1	1	-
4	Hendon <i>W</i> -	8332	10484	10	2	-	1	-	-	-	-	-	-	-	-	-	1
137:1	Bushey -	9331	6621	6	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Watford (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:1	South Mimms -	15199	6391	8	2	-	1	-	-	-	-	-	-	-	-	-	-
2	Barnet -	5433	10092	4	3	-	-	-	-	-	-	-	-	-	-	-	1
3	Finchley <i>HL</i> -	4638	17615	5	9	2	1	-	-	-	-	1	-	-	-	-	5
135:1	Hatfield (part of)*	3306	583	-	1	-	-	-	-	-	-	-	-	-	-	-	-
128:1	Hornsey <i>H</i> -	3039	37078	30	10	2	4	-	1	-	-	-	-	-	1	1	-
2	Tottenham <i>H</i> -	4642	46456	74	39	11	7	-	8	1	-	3	-	-	1	1	3
3	Edmonton <i>Ww</i> -	7453	23463	17	15	4	5	-	-	-	-	2	1	-	1	2	4
4	Enfield <i>WH</i> -	12653	19104	25	6	2	-	-	-	-	-	-	-	-	-	-	-
5	Waltham Abbey -	11017	5363	3	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt -	8490	7735	5	4	2	-	-	-	-	-	-	-	-	-	-	-
136:1	Stratford -	382	33806	36	13	6	4	-	-	-	1	-	-	-	-	-	-
2	West Ham <i>wvH</i>	4055	90347	125	46	13	7	-	-	1	-	4	-	-	-	-	-
3	East Ham <i>wv</i> -	3298	10706	20	6	2	1	-	-	-	-	1	-	-	-	-	-
4	Leyton <i>WwL</i> -	4372	32430	48	17	1	5	-	2	-	-	1	-	-	-	1	4
5	Walthamstow <i>H</i> -	6520	28869	24	11	3	2	-	1	-	-	3	1	-	-	-	-
137:1	Chigwell (part of)* <i>H</i>	11761	9669	7	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Epping (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:1	Romford (part of)* <i>W</i>	6730	3411	1	1	-	1	-	-	-	-	-	-	-	-	-	1
2	Ilford -	8493	7645	2	3	-	1	-	-	-	1	-	-	-	-	-	-
3	Barking Town -	4127	9203	9	3	1	1	-	-	-	-	-	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 29:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esner (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cudham, Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 17:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Metropolitan Asylum Hospital (see Table 5). § Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

¶ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 17th May, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												Deaths in Public Institutions.
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16		
GREATER LONDON	448,334	5,758,500	16·5	2·5	1823	420	394	-	91	19	29	111	12	17	51	409		
INNER LONDON -	77,410	4,421,661	17·3	2·6	1466	339	320	-	70	17	21	83	10	17	45	376		
OUTER RING -	370,924	1,336,839	13·9	2·2	357	81	74	-	21	2	8	23	2	-	6	33		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ANTWERP	433,219	April	5	-	-	-	-	-	-	-	-	-	-
BAY	773,196	"	29	213	377	21·1	4	7	?	?	?	127	28
BRAS	398,777	"	4	-	-	-	-	-	-	-	-	-	-
BRUSSELS	2,260,945	May	10	1218	1076	24·8	3	30	5	43*	9	16	79
CHATELAIN (St Paulsbourg.)	477,288	"	10	250	177	19·5	1	2	1	-	-	-	15
ROTTERDAM	406,302	"	10	266	180	23·0	-	2	-	-	5	3	1
ROTTERDAM	203,486	"	10	125	78	19·9	-	-	-	-	-	-	-
THE HAGUE	156,497	"	10	104	47	15·6	-	-	-	-	-	-	-
AMSTERDAM	312,387	"	10	212	138	23·0	-	4	3	6	4	-	11
STOCKHOLM	236,350	"	3	129	100	22·0	-	-	6	1	1	1	8
CHRISTIANIA	143,300	"	10	64	56	20·3	-	-	-	5	-	-	3
PETERSBURG	924,466	April	26	-	572	32·3	2	16	27	13	3	6	43
LYON	1,526,887	"	26	871	611	20·7	-	11	11	38	15	2	47
STRASBURG (State)	675,276	May	3	412	291	25·6	-	1	1	17*	2	2	29
BERLIN	269,250	"	3	168	125	24·1	-	2	1	5*	-	1	1
BRATISLAVA	324,143	"	10	241	154	25·2	-	-	2	7*	-	-	15
BRISBANE	298,000	"	10	229	161	28·1	-	2	2	3*	-	-	32
BRUSSELS	822,176	"	10	521	464	29·1	-	15	5	7	2	1	53
BUDAPEST	314,425	"	10	-	162	26·9	-	6	-	1	2	-	6
CHATELAIN	463,017	"	3	342	292	32·8	-	5	2	11	-	3	26
CHATELAIN	160,092	"	10	92	65	21·1	-	-	-	1	1	-	3
CHATELAIN	418,217	April	12	182	147	18·7	-	5	-	4	-	-	4
CHATELAIN (11 days)	314,827	"	10	-	-	-	-	-	-	-	-	-	-
CHATELAIN	166,515	"	26	75	65	21·7	8	-	-	1	1	1	6
CHATELAIN	374,838	"	24	351	313	43·4	2	1	-	1	3	14	97
CHATELAIN	231,396	"	24	188	154	34·6	1	-	-	-	-	9	36
CHATELAIN	1,595,547	"	26	-	802	26·0	-	32	7	29	9	2	13
CHATELAIN	859,612	"	26	-	358	21·7	-	3	5	31*	2	-	7
CHATELAIN	1,064,277	May	3	-	-	-	-	-	-	-	-	-	-
CHATELAIN	500,348	"	3	-	180	18·7	-	11	3	6	-	3	3
CHATELAIN	254,000	April	19	-	110	22·6	-	3	-	2	-	-	5

\* Including deaths from croup.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, MAY 17TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		Phases of the Moon.	TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is receiving Ozone.											
MAY.	SUN.		MON.	TUES.	WED.	THURS.	FRI.	SAT.	MEANS	No. of Col.	Baro- meter.	Of the Air.		Of the Dew Point.		Difference between the Air Temperature and Dew Point Temperature.		Degree of Saturation (Saturation equals 100).		Of Radiation.		Of the Water of the Thames at Deptford.		General Direction.		Pressure on the Square Foot.		Robinson's.	Horizontal Movement of the Air on each Day.	Depart-ure from Average of 10 Years.
												High- est.	Low- est.	Daily Range.	Mean daily value.	De- parture from average of 20 years.	Mean daily value.			Great- est.	Least.	High- est. in Sun's Rays.	Low- est. on the Grass.	High- est.	Low- est.	A.M.	P.M.			
11	Last Qr.	29-352	67.2	48.5	54.1	+ 2.7	49.0	0.0	86	125.2	40.5	54.6	54.1	N. & WSW.	WSW. SSW.	2.0	0.0	266	+ 16	0.39	2.5									
12	..	29-371	68.3	46.2	56.8	+ 5.0	47.2	0.0	70	133.1	37.2	53.3	54.9	ENE.	SE. & SW.	0.0	0.0	132	- 118	0.10	1.0									
13	..	29-425	67.5	46.9	55.2	+ 3.1	46.2	1.5	72	122.7	35.0	53.9	55.5	NNW. & NW.	NW. & WSW.	2.1	0.0	279	+ 29	0.00	1.0									
14	..	29-737	64.8	46.0	54.2	+ 1.7	40.3	3.0	59	124.6	37.3	56.1	53.9	WSW. & W.	W. & WSW.	2.9	0.0	394	+ 145	0.01	5.5									
15	In Equat.	29-910	65.1	42.3	53.2	+ 0.3	42.8	1.1	68	122.9	35.2	53.8	56.5	SSW.	SSW.	2.3	0.0	318	+ 69	0.00	1.5									
16	..	29-678	71.9	42.4	58.2	+ 4.9	45.3	0.0	62	138.5	33.9	57.6	57.2	SSE. & SSW.	S. & SE.	1.5	0.0	193	- 56	0.04	7.2									
17	..	29-557	67.2	46.9	55.6	+ 1.9	43.1	3.4	63	138.0	41.3	58.8	58.5	SW.	SSW. & SE.	3.0	0.0	371	+ 123	0.02	9.8									
..	..	29-575	67.4	45.6	55.3	+ 2.8	45.0	1.3	69	129.3	37.2	56.4	56.1	WSW.		..	..	Sum 1953	Sum 208	0.56	4.1									
..	3	..	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27					

## GENERAL REMARKS.

Cloudy and showery till afternoon; afterwards fine.

Overcast with heavy rain in early morning; fine and partially cloudy afterwards.

Fine; partially cloudy.

Cloudy in early morning, with slight rain; fine afterwards.

Fine; partially cloudy till evening; generally cloudless at night. Particles visible for a short time in evening.

Cloudless in early morning; solar halo in afternoon; very fine with small amounts of light cloud till evening; overcast with rain at night.

Overcast and showery in morning; partially cloudy and fine afterwards.

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1898, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: - P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 23 derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.39 in. at the beginning of the week to 29.42 in.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,  
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 21. 1890. VOL. LI.]      WEEK ENDING SATURDAY, MAY 24.      [Price 1½d.

General Register Office, Somerset House,  
27th May, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18·6 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	May 3.	May 10.	May 17.	May 24.		May 3.	May 10.	May 17.	May 24.
Birkenhead	19·4	15·4	11·9	21·8	Liverpool -	23·6	20·2	23·5	19·9
Birmingham	16·1	20·0	19·9	17·2	London -	18·1	17·3	17·3	17·1
Blackburn -	21·9	17·3	22·8	21·5	Manchester -	33·1	31·3	35·0	28·0
Bolton -	36·0	32·4	32·4	23·4	Newcastle-on-Tyne	25·3	32·3	25·9	23·4
Bradford -	22·8	20·4	22·5	18·4	Norwich -	24·6	17·5	20·2	19·1
Brighton	15·6	15·2	13·1	15·6	Nottingham	13·6	16·6	15·5	15·8
Bristol -	20·9	14·4	19·1	14·6	Oldham -	21·3	21·0	18·5	17·4
Cardiff -	17·8	16·0	19·2	20·1	Plymouth -	21·8	20·5	17·2	15·9
Derby -	27·9	27·4	24·3	24·8	Portsmouth -	15·7	15·7	16·0	14·6
Halifax	15·9	25·4	17·8	24·2	Preston -	24·8	20·3	22·3	18·3
Huddersfield	21·6	10·5	16·0	9·4	Salford -	25·8	22·8	20·9	20·2
Hull -	21·0	17·6	17·6	18·8	Sheffield -	29·6	26·2	26·8	22·1
Leeds -	21·5	22·8	23·5	20·2	Sunderland -	27·1	21·4	28·6	26·7
Leicester -	16·6	12·5	16·9	18·6	Wolverhampton -	20·6	13·8	16·9	15·0

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·1 in London, 1·5 in Liverpool, and 6·7 in Derby; from *whooping-cough*, 1·1 in London, in Norwich, and in Oldham, 1·3 in Salford, 1·4 in Bolton, and 2·1 in Derby; and from *fever*, 1·0 in Birkenhead. The rate from *scarlet fever* did not reach 1·0 per 1000 in any of the twenty-eight towns. The 38 deaths from *diphtheria* included 24 in London, 4 in Salford, 3 in Liverpool, and 2 in Manchester. One death from *small-pox* was registered in London and one in Hull.

### LONDON.

In LONDON 2443 BIRTHS and 1451 DEATHS were registered. Allowing for increase of population, the births were 244, and the deaths 86, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had steadily declined from 19·1 to 17·3 in the six preceding weeks, further fell last week to 17·1. During the first eight weeks of the current quarter the death-rate averaged 17·9 per 1000, which was 1·6 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1451 deaths included one from small-pox, 94 from measles, 15 from scarlet fever, 24 from diphtheria, 91 from whooping-cough, 6 from enteric fever, 10 from diarrhoea and dysentery, one from choleraic diarrhoea, and not one from typhus or ill-defined forms of fever; thus, 242 deaths were referred to these diseases, exceeding by 14 the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



One death from *small-pox* (of a general labourer admitted to the South-eastern Hospital from Ronver Road, Lee) was registered, the corrected weekly average being 18; five cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 62 and 70 in the two preceding weeks, further increased last week to 94, exceeding the corrected average by 26; 3 (including 2 admitted to the Infirmary from one house in Union Place) belonged to Paddington, 12 to Kensington, 5 to St. George Hanover Square, 6 to Marylebone, 13 to Islington, 6 to Hackney, 8 to Shoreditch, 5 to Poplar, and 4 to Lambeth sanitary areas. The fatal cases of *scarlet fever*, which had been 12 and 17 in the two previous weeks, declined again last week to 15, and were 13 below the corrected average; 2 belonged to Islington, 2 to Bethnal Green, 2 to Lambeth, 2 to Camberwell, and 3 to Plumstead sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1067 scarlet-fever patients at the end of last week, the numbers in the two previous weeks having been 1087 and 1101; 106 cases were admitted to these hospitals during the week, against 131 in each of the two previous weeks. The deaths from *diphtheria*, which had been 25 and 21 in the two preceding weeks, increased again last week to 24, exceeding the corrected average by 7; 2 belonged to Paddington, 2 to Hampstead, 6 to Pancras, 2 to Hackney, and 3 to Greenwich sanitary areas. The deaths from *whooping-cough*, which had been 99 and 88 in the two preceding weeks, rose again last week to 91, and exceeded the corrected average by 23; 3 belonged to Paddington, 4 to Kensington, 3 to Fulham, 4 to St. George Hanover Square, 5 to Marylebone, 6 to Islington, 7 to Hackney, 6 to Shoreditch, 4 to Bethnal Green, 4 to Mile End Old Town, 6 to Poplar, 4 to Rotherhithe, and 5 to Battersea sanitary areas. The 10 deaths from *diarrhoea* were 7 fewer than the number in the previous week, and were 5 below the corrected average; 8 were of children under five years of age.

The deaths referred to *enteric fever*, which had been 3 and 8 in the two preceding weeks, declined last week to 6, and were 5 below the corrected average; 2 belonged to Islington sanitary area. The Metropolitan Asylum Hospitals contained 56 cases of enteric fever, and 2 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 5 and 3 in the two preceding weeks.

One death was attributed primarily to *influenza*, the numbers of deaths so returned in the two previous weeks having been 3 and 2.

The deaths referred to diseases of the respiratory organs numbered 294, being 6 fewer than the number in the previous week, but exceeding the corrected average by 19.

Different forms of violence caused 66 deaths, concerning all but 2 of which inquests were held. Of these 66 deaths, 12 were cases of suicide, and 5 of murder or manslaughter, while the remaining 49 were attributed to accident or negligence. Twelve of these were caused by horses or vehicles in the streets, 5 by burns or scalds, 3 by poison, 8 by drowning, and 9 (of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3222 births and 1865 deaths were registered, corresponding to annual rates of 29·2 and 16·9 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 14 from measles, and 3 from diphtheria were recorded. Of the deaths from whooping-cough, 4 occurred in Willesden, 4 in West Ham, and 3 in Tottenham sub-districts. Four deaths from measles were registered in Croydon sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·81 ins.; the lowest reading was 29·45 ins. on Monday evening, and the highest 30·14 ins. on Thursday morning. The mean temperature of the *air* was 58°·3, and 3°·4 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Tuesday, but showed an excess on each of the other days of the week, amounting on Saturday to 8°·1. The direction of the *wind* was variable, and the horizontal movement of the air averaged 10·2 miles per hour, which was 0·1 of a mile below the average in the corresponding weeks of 16 years. *Rain* fell on two days of the week, to the aggregate amount of 0·14 of an inch. The duration of registered bright sunshine in the week was 71·2 hours, against 64·6 hours at Glynde Place, Lewes.

CITIES AND BOROUGHES.	POPULATION at the middle of the Year 1890.*	Registered during the Week ending 24th May, 1890.		The Deaths registered in the Week include										TEMPERATURE OF THE AIR.										RAINFALL.		CITIES AND BOROUGHES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		BIRTHS.	DEATHS.	Deaths of		Deaths from						Inquest Cases.				Fahrenheit.				In Degrees.		In Inches.	In Centimetres.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				Persons aged 60 Years and upwards.	Infants under 1 Year of Age.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Causes.	From 6-12.	From 13-18.	From 19-24.	From 25-30.	From 31-36.			From 37-42.	From 43-48.		From 49-54.	From 55-60.	From 61-66.	From 67-72.	From 73-78.	From 79-84.	From 85-90.	From 91-96.	From 97-102.	From 103-108.	From 109-114.	From 115-120.	From 121-126.	From 127-132.	From 133-138.	From 139-144.	From 145-150.	From 151-156.	From 157-162.	From 163-168.	From 169-174.	From 175-180.	From 181-186.	From 187-192.	From 193-198.	From 199-204.	From 205-210.	From 211-216.	From 217-222.	From 223-228.	From 229-234.	From 235-240.	From 241-246.	From 247-252.	From 253-258.	From 259-264.	From 265-270.	From 271-276.	From 277-282.	From 283-288.	From 289-294.	From 295-300.	From 301-306.	From 307-312.	From 313-318.	From 319-324.	From 325-330.	From 331-336.	From 337-342.	From 343-348.	From 349-354.	From 355-360.	From 361-366.	From 367-372.	From 373-378.	From 379-384.	From 385-390.	From 391-396.	From 397-402.	From 403-408.	From 409-414.	From 415-420.	From 421-426.	From 427-432.	From 433-438.	From 439-444.	From 445-450.	From 451-456.	From 457-462.	From 463-468.	From 469-474.	From 475-480.	From 481-486.	From 487-492.	From 493-498.	From 499-504.	From 505-510.	From 511-516.	From 517-522.	From 523-528.	From 529-534.	From 535-540.	From 541-546.	From 547-552.	From 553-558.	From 559-564.	From 565-570.	From 571-576.	From 577-582.	From 583-588.	From 589-594.	From 595-600.	From 601-606.	From 607-612.	From 613-618.	From 619-624.	From 625-630.	From 631-636.	From 637-642.	From 643-648.	From 649-654.	From 655-660.	From 661-666.	From 667-672.	From 673-678.	From 679-684.	From 685-690.	From 691-696.	From 697-702.	From 703-708.	From 709-714.	From 715-720.	From 721-726.	From 727-732.	From 733-738.	From 739-744.	From 745-750.	From 751-756.	From 757-762.	From 763-768.	From 769-774.	From 775-780.	From 781-786.	From 787-792.	From 793-798.	From 799-804.	From 805-810.	From 811-816.	From 817-822.	From 823-828.	From 829-834.	From 835-840.	From 841-846.	From 847-852.	From 853-858.	From 859-864.	From 865-870.	From 871-876.	From 877-882.	From 883-888.	From 889-894.	From 895-900.	From 901-906.	From 907-912.	From 913-918.	From 919-924.	From 925-930.	From 931-936.	From 937-942.	From 943-948.	From 949-954.	From 955-960.	From 961-966.	From 967-972.	From 973-978.	From 979-984.	From 985-990.	From 991-996.	From 997-1002.	From 1003-1008.	From 1009-1014.	From 1015-1020.	From 1021-1026.	From 1027-1032.	From 1033-1038.	From 1039-1044.	From 1045-1050.	From 1051-1056.	From 1057-1062.	From 1063-1068.	From 1069-1074.	From 1075-1080.	From 1081-1086.	From 1087-1092.	From 1093-1098.	From 1099-1104.	From 1105-1110.	From 1111-1116.	From 1117-1122.	From 1123-1128.	From 1129-1134.	From 1135-1140.	From 1141-1146.	From 1147-1152.	From 1153-1158.	From 1159-1164.	From 1165-1170.	From 1171-1176.	From 1177-1182.	From 1183-1188.	From 1189-1194.	From 1195-1200.	From 1201-1206.	From 1207-1212.	From 1213-1218.	From 1219-1224.	From 1225-1230.	From 1231-1236.	From 1237-1242.	From 1243-1248.	From 1249-1254.	From 1255-1260.	From 1261-1266.	From 1267-1272.	From 1273-1278.	From 1279-1284.	From 1285-1290.	From 1291-1296.	From 1297-1302.	From 1303-1308.	From 1309-1314.	From 1315-1320.	From 1321-1326.	From 1327-1332.	From 1333-1338.	From 1339-1344.	From 1345-1350.	From 1351-1356.	From 1357-1362.	From 1363-1368.	From 1369-1374.	From 1375-1380.	From 1381-1386.	From 1387-1392.	From 1393-1398.	From 1399-1404.	From 1405-1410.	From 1411-1416.	From 1417-1422.	From 1423-1428.	From 1429-1434.	From 1435-1440.	From 1441-1446.	From 1447-1452.	From 1453-1458.	From 1459-1464.	From 1465-1470.	From 1471-1476.	From 1477-1482.	From 1483-1488.	From 1489-1494.	From 1495-1500.	From 1501-1506.	From 1507-1512.	From 1513-1518.	From 1519-1524.	From 1525-1530.	From 1531-1536.	From 1537-1542.	From 1543-1548.	From 1549-1554.	From 1555-1560.	From 1561-1566.	From 1567-1572.	From 1573-1578.	From 1579-1584.	From 1585-1590.	From 1591-1596.	From 1597-1602.	From 1603-1608.	From 1609-1614.	From 1615-1620.	From 1621-1626.	From 1627-1632.	From 1633-1638.	From 1639-1644.	From 1645-1650.	From 1651-1656.	From 1657-1662.	From 1663-1668.	From 1669-1674.	From 1675-1680.	From 1681-1686.	From 1687-1692.	From 1693-1698.	From 1699-1704.	From 1705-1710.	From 1711-1716.	From 1717-1722.	From 1723-1728.	From 1729-1734.	From 1735-1740.	From 1741-1746.	From 1747-1752.	From 1753-1758.	From 1759-1764.	From 1765-1770.	From 1771-1776.	From 1777-1782.	From 1783-1788.	From 1789-1794.	From 1795-1800.	From 1801-1806.	From 1807-1812.	From 1813-1818.	From 1819-1824.	From 1825-1830.	From 1831-1836.	From 1837-1842.	From 1843-1848.	From 1849-1854.	From 1855-1860.	From 1861-1866.	From 1867-1872.	From 1873-1878.	From 1879-1884.	From 1885-1890.	From 1891-1896.	From 1897-1902.	From 1903-1908.	From 1909-1914.	From 1915-1920.	From 1921-1926.	From 1927-1932.	From 1933-1938.	From 1939-1944.	From 1945-1950.	From 1951-1956.	From 1957-1962.	From 1963-1968.	From 1969-1974.	From 1975-1980.	From 1981-1986.	From 1987-1992.	From 1993-1998.	From 1999-2004.	From 2005-2010.	From 2011-2016.	From 2017-2022.	From 2023-2028.	From 2029-2034.	From 2035-2040.	From 2041-2046.	From 2047-2052.	From 2053-2058.	From 2059-2064.	From 2065-2070.	From 2071-2076.	From 2077-2082.	From 2083-2088.	From 2089-2094.	From 2095-2100.	From 2101-2106.	From 2107-2112.	From 2113-2118.	From 2119-2124.	From 2125-2130.	From 2131-2136.	From 2137-2142.	From 2143-2148.	From 2149-2154.	From 2155-2160.	From 2161-2166.	From 2167-2172.	From 2173-2178.	From 2179-2184.	From 2185-2190.	From 2191-2196.	From 2197-2202.	From 2203-2208.	From 2209-2214.	From 2215-2220.	From 2221-2226.	From 2227-2232.	From 2233-2238.	From 2239-2244.	From 2245-2250.	From 2251-2256.	From 2257-2262.	From 2263-2268.	From 2269-2274.	From 2275-2280.	From 2281-2286.	From 2287-2292.	From 2293-2298.	From 2299-2304.	From 2305-2310.	From 2311-2316.	From 2317-2322.	From 2323-2328.	From 2329-2334.	From 2335-2340.	From 2341-2346.	From 2347-2352.	From 2353-2358.	From 2359-2364.	From 2365-2370.	From 2371-2376.	From 2377-2382.	From 2383-2388.	From 2389-2394.	From 2395-2400.	From 2401-2406.	From 2407-2412.	From 2413-2418.	From 2419-2424.	From 2425-2430.	From 2431-2436.	From 2437-2442.	From 2443-2448.	From 2449-2454.	From 2455-2460.	From 2461-2466.	From 2467-2472.	From 2473-2478.	From 2479-2484.	From 2485-2490.	From 2491-2496.	From 2497-2502.	From 2503-2508.	From 2509-2514.	From 2515-2520.	From 2521-2526.	From 2527-2532.	From 2533-2538.	From 2539-2544.	From 2545-2550.	From 2551-2556.	From 2557-2562.	From 2563-2568.	From 2569-2574.	From 2575-2580.	From 2581-2586.	From 2587-2592.	From 2593-2598.	From 2599-2604.	From 2605-2610.	From 2611-2616.	From 2617-2622.	From 2623-2628.	From 2629-2634.	From 2635-2640.	From 2641-2646.	From 2647-2652.	From 2653-2658.	From 2659-2664.	From 2665-2670.	From 2671-2676.	From 2677-2682.	From 2683-2688.	From 2689-2694.	From 2695-2700.	From 2701-2706.	From 2707-2712.	From 2713-2718.	From 2719-2724.	From 2725-2730.	From 2731-2736.	From 2737-2742.	From 2743-2748.	From 2749-2754.	From 2755-2760.	From 2761-2766.	From 2767-2772.	From 2773-2778.	From 2779-2784.	From 2785-2790.	From 2791-2796.	From 2797-2802.	From 2803-2808.	From 2809-2814.	From 2815-2820.	From 2821-2826.	From 2827-2832.	From 2833-2838.	From 2839-2844.	From 2845-2850.	From 2851-2856.	From 2857-2862.	From 2863-2868.	From 2869-2874.	From 2875-2880.	From 2881-2886.	From 2887-2892.	From 2893-2898.	From 2899-2904.	From 2905-2910.	From 2911-2916.	From 2917-2922.	From 2923-2928.	From 2929-2934.	From 2935-2940.	From 2941-2946.	From 2947-2952.	From 2953-2958.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-FIRST Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2618	2411	2401	2692	2627	2209	2431	2571	2278	2402	2686.9	2443
Males . .	1358	1215	1244	1383	1310	1144	1231	1315	1151	1218	1370.6	1265
Females .	1260	1196	1157	1309	1317	1065	1200	1256	1127	1184	1316.3	1178
<b>TOTAL Deaths</b>	1333	1452	1435	1518	1427	1538	1229	1534	1361	1267	1536.9	1451
Males . .	692	756	723	806	769	805	631	793	703	664	801.2	742
Females .	641	696	712	712	658	733	598	741	653	603	735.7	709

\* The numbers in this column are the average weekly numbers in the twenty-first weeks of the ten years 1880–89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Mar. 1.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.
<b>TOTAL Births</b>	2561	2536	2717	2534	2543	2329	2360	2935	2538	2613	2308	2468	2443
<b>TOTAL Deaths</b>	1802	1889	1771	1637	1571	1419	1619	1611	1567	1533	1469	1466	1451
<b>Ages at Death</b>													
{ 0–20 years	739	798	776	729	743	657	774	782	742	721	712	707	739
{ 20–40 "	234	226	196	193	204	183	204	177	197	210	170	178	166
{ 40–60 "	324	348	303	296	264	239	275	282	255	227	243	261	235
{ 60–80 "	418	428	404	342	309	285	308	291	313	305	274	257	239
{ 80 years & upwards	87	89	92	77	51	55	58	79	60	70	70	63	72
<b>"</b>													
{ Under 1 year	367	394	392	381	366	310	372	356	369	337	360	339	335
{ 1–5 "	263	294	271	270	304	253	298	322	286	294	251	266	307
{ 5–20 "	109	110	113	78	73	94	104	104	87	90	101	102	97
<b>Deaths from Small-pox</b>	19	35	35	45	45	35	54	65	61	67	62	70	94
" " Measles	14	12	18	11	10	8	12	13	17	15	12	17	15
" " Scarlet fever	24	19	25	23	30	20	21	17	20	18	25	21	24
" " Diphtheria	97	95	86	76	101	84	79	106	88	86	99	88	91
" " Whooping-cough	7	4	3	7	7	2	4	8	6	6	3	8	6
" " Typhus	1	1	1	1	1	1	1	1	1	1	1	1	1
" " Enteric fever	12	9	14	14	13	10	10	11	13	21	11	17	10
" " Simple Cont'd fever	1	1	1	1	1	1	1	1	1	1	1	1	1
" " Diarrhoea and Dysentery	12	9	14	14	13	10	10	11	13	21	11	17	10
" " Cholera	1	1	1	1	1	1	1	1	1	1	1	1	1
" " all the above-mentioned Diseases	174	175	182	176	207	160	181	220	206	215	212	223	242
" " Dis. of Respiratory System	493	510	447	381	375	296	384	330	345	326	301	300	294
" " Phthisis	224	206	164	169	154	180	174	189	154	143	139	154	119
" " Dis. of Circulatory System	146	163	145	148	120	114	151	133	119	140	132	124	121
<b>Violent Deaths</b>	52	65	76	49	61	36	60	41	61	61	62	45	66
<b>Inquest Cases</b>	134	120	162	115	117	85	133	105	125	124	134	100	117
<b>Deaths in Public Institutions</b>	425	406	390	406	377	362	382	333	374	342	326	376	324
<b>TEMPERATURE OF THE AIR</b>													
Mean	35.4	36.4	45.3	43.3	49.0	43.8	43.2	46.1	47.1	50.7	52.4	55.3	58.3
Mean of Highest readings	42.0	43.6	54.0	52.0	57.3	54.9	52.0	53.8	56.7	62.2	61.6	67.4	71.0
Mean of Lowest readings	30.4	29.0	37.6	36.0	42.6	33.1	37.0	39.9	40.1	38.9	44.6	45.6	45.6
<b>Humidity of the Air</b>	87	69	79	82	84	72	72	81	82	67	80	69	65
<b>Rain-fall in inches</b>	0.22	0.33	0.24	0.81	0.41	0.00	0.29	0.38	1.00	0.07	0.56	0.56	0.14
<b>Registered Sunshine (in hours)</b>	9.7	12.1	28.1	21.5	14.6	59.8	22.0	27.0	15.9	63.9	14.2	54.0	71.2

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield Esq., L.L.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrothlesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-FIRST Week of the Year 1890.

CAUSES OF DEATH.										CAUSES OF DEATH.									
Corrected Averages for the 21st Weeks of the 10 years 1880-89.*										Corrected Averages for the 21st Weeks of the 10 years 1880-89.*									
In the Week ending Saturday, 24th May 1890.										In the Week ending Saturday, 24th May 1890.									
Deaths of Persons of the Ages										Deaths of Persons of the Ages									
ALL AGES.										ALL AGES.									
0-1. 1-5. 5-20. 20 and under 40. 40 and under 60. 60 and under 80. 80 Years and upwards.										0-1. 1-5. 5-20. 20 and under 40. 40 and under 60. 60 and under 80. 80 Years and upwards.									
ALL CAUSES - - - - -										Diseases of Organs of Special Sense † - - - -									
1556.9 1451 335 307 97 166 235 239 72										2.5 1 - - - 1 - - -									
Small-pox { Vaccinated † - - - - -										Diseases of Circulatory System - - - - -									
{ Unvaccinated - - - - -										104.6 121 3 2 5 21 39 40 11									
{ No Statement - - - - -										18.3 { 1 - - - 1 - - -									
Measles - - - - -										Croup - - - - -									
67.6 94 12 76 5 1 - - -										12.9 2 - - 3 - - -									
Scarlet Fever - - - - -										Bronchitis - - - - -									
28.0 15 - - 11 4 - - -										145.5 164 46 34 1 3 18 49 13									
Typhus - - - - -										Pneumonia - - - - -									
0.1 - - - - -										86.6 107 21 25 7 18 21 13 2									
Relapsing Fever † - - - - -										Pleurisy - - - - -									
0.0 - - - - -										4.9 5 - - 1 - - -									
Influenza - - - - -										{ Other Diseases of Respiratory System - - - - -									
0.0 1 - - - - -										25.4 16 3 1 1 2 5 4 -									
Whooping-cough - - - - -										Dentition † - - - - -									
68.3 91 33 56 2 - - -										16.8 19 14 5 - - -									
Diphtheria - - - - -										Quinsy, Sore Throat † - - - - -									
17.0 24 - - 13 10 1 - - -										2.5 1 - - - - -									
Simple Continued and Ill-defined Fever - - - - -										Enteritis - - - - -									
2.0 - - - - -										8.4 7 4 1 - - -									
Enteric Fever - - - - -										Peritonitis - - - - -									
11.3 6 - - 2 2 1 1 1 - -										7.0 8 2 1 1 1 - 3 -									
Cholera - - - - -										{ Diseases of Liver - - - - -									
0.8 1 - - - - -										29.7 26 2 - - 1 6 10 7 -									
Diarrhoea, Dysentery - - - - -										{ Other Diseases of Digestive System - - - - -									
15.0 10 6 2 - - - - -										31.1 24 7 - - 2 1 5 5 4									
Remittent Fever - - - - -										Diseases of Lymphatic System & of Ductless Glands † - - - - -									
0.4 - - - - -										1.9 - - - - -									
Hydrophobia - - - - -										Diseases of Urinary System - - - - -									
0.2 - - - - -										38.5 28 2 1 2 3 6 13 1									
Glanders - - - - -										Diseases of Generative System & of Childbirth - - - - -									
0.0 - - - - -										8.9 4 - - - 1 2 1 - -									
Cowpox and Effects of Vaccination † - - - - -										4.1 4 - - - 1 2 1 - -									
11.3 12 9 1 - - 2 - - -										Diseases of Locomotive System † - - - - -									
Erysipelas - - - - -										8.9 7 - - 1 2 3 - 1 -									
4.1 5 1 - - - 3 - 1 -										Diseases of Integumentary System - - - - -									
Pyæmia and Septicæmia † - - - - -										5.6 4 - - - - 1 2 1 -									
3.4 1 - - - - -										VIOLENT DEATHS. ‡									
Puerperal Fever - - - - -										(ACCIDENT.)									
5.7 3 - - - - -										Fracture and Contusion - - - - -									
1.5 1 - - - - -										22.3 23 - - 2 8 1 8 3 1									
Other Zymotic Diseases † - - - - -										Gunshot Wound - - - - -									
2.1 2 2 - - - - -										0.0 - - - - -									
Worms and other Parasitical Diseases - - - - -										Cut, Stab - - - - -									
0.4 - - - - -										0.2 - - - - -									
Starvation, Want of Breast-milk † - - - - -										Burn and Scald - - - - -									
0.9 - - - - -										3.3 5 - - 2 2 - - -									
Alcoholism - - - - -										Poison - - - - -									
5.3 6 - - - - -										1.0 3 - - 1 - - -									
Rheumatic Fever, Rheumatism of Heart † - - - - -										Drowning - - - - -									
6.3 2 - - 1 - 1 - - -										7.6 8 - - - 3 - - -									
Rheumatism † - - - - -										Suffocation - - - - -									
3.2 4 - - - - -										12.3 9 9 - - 1 - - -									
Gout - - - - -										2.2 1 - - - 1 - - -									
4.6 4 1 3 - - - - -										(HOMICIDE.)									
Rickets † - - - - -										Murder & Manslaughter - - - - -									
60.2 47 - - 2 1 5 22 17 -										1.6 5 4 - - 1 - - -									
Cancer - - - - -										(SUICIDE.)									
22.2 16 6 7 3 - - - -										Gunshot Wound - - - - -									
Tubercular Meningitis - - - - -										Cut, Stab - - - - -									
31.3 23 7 10 6 - - - -										1.9 2 - - - 2 2 1 - -									
Phthisis - - - - -										Poison - - - - -									
161.5 117 2 3 6 36 41 9 -										Drowning - - - - -									
Scrofula, Tuberculosis - - - - -										Hanging - - - - -									
19.1 17 7 6 3 1 - - - -										2.7 3 - - - 1 2 - - -									
Other Constitutional Diseases † - - - - -										1.5 1 - - - 1 - - -									
7.9 12 - - 2 1 2 3 4 - -										(EXECUTION.)									
Premature Birth - - - - -										Hanging - - - - -									
38.3 43 43 - - - - -										0.0 - - - - -									
Atelactæsis † - - - - -										OTHER CAUSES † - - - -									
3.1 2 2 - - - - -										51.8 46 39 2 1 - 1 2 1									
Congenital Malformations - - - - -																			
6.8 5 5 - - - - -																			
Old Age - - - - -																			
51.3 46 - - - - -																			
Apoplexy - - - - -																			
44.6 36 - - 1 - - 12 20 3																			
Epilepsy - - - - -																			
6.7 9 - - 3 - - 4 1 1 - -																			
Convulsions - - - - -																			
50.3 34 27 6 1 - - - - -																			
Other Diseases of Brain and Nervous System - - - - -																			
97.2 101 16 23 13 11 19 14 5																			

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.045 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																					
REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from														Deaths in Public Institutions.	Unclassified Causes of death.
				Infants under 1 Year of Age.	Persons aged 10 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple con- tinued Fever.	Dysentery.	Violence.	Inquest Cases.					
LONDON	3,815,704	2443	1451	335	311	1	94	15	24	91	-	6	-	10	66	119	324	13			
WEST DISTRICTS	669,633	385	270	55	70	-	26	-	4	20	-	-	-	2	12	18	62	3			
NORTH DISTRICTS	905,947	565	334	79	67	-	29	5	13	22	-	3	-	1	9	39	65	1			
CENTRAL DISTRICTS	282,238	120	90	23	17	-	1	-	1	6	-	-	-	1	8	15	30	-			
EAST DISTRICTS	692,738	473	280	69	52	-	20	2	1	21	-	1	-	4	10	21	71	4			
SOUTH DISTRICTS	1,363,148	900	477	109	105	1	18	8	5	22	-	2	-	2	27	35	96	5			
METROPOLITAN ASYLUM ROS- PITALS OUTSIDE REGISTRATION LONDON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WEST DISTRICTS.																					
St. Mary Paddington WHH G.J. & W.M.	66883	52	29	8	8	-	3	-	1	2	-	-	-	1	-	-	7	-			
St. John Paddington H - - G.J.	37380	5	17	-	6	-	-	-	1	1	-	-	-	-	4	5	9	-			
Kensington Town W - - W.M.	120141	59	54	14	9	-	12	-	1	4	-	-	-	1	-	11	-				
Brompton H - - W.M. & C	43010	10	6	-	2	-	-	-	-	-	-	-	-	-	-	1	1	-			
St. Peter Hammersmith - - W.M.	7599	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Paul Hammersmith H W.M. & G.J.	64340	55	19	4	5	-	1	-	-	2	-	-	-	-	1	2	2	1			
Fulham W - - W.M. & C	42900	67	35	10	8	-	2	-	-	3	-	-	-	-	2	4	-	-			
Chelsea South HHH - - C.	20396	17	16	1	6	-	1	-	-	1	-	-	-	-	1	4	3	-			
Chelsea North-west WHHHH- C.	24925	18	12	3	3	-	-	-	-	1	-	-	-	-	-	7	-	-			
Chelsea North-east - - C.	32807	20	11	3	2	-	-	-	-	1	-	-	-	-	-	-	-	-			
May Fair W - - G.J.	29353	3	11	1	4	-	-	-	-	-	-	-	-	-	1	8	-	-			
Belgrave WHH - - C.	52220	32	24	7	6	-	5	-	1	4	-	-	-	-	2	5	-	2			
St. John Westminster HHH - C.	35496	26	15	2	4	-	1	-	-	1	-	-	-	-	1	-	-	-			
St. Margaret Westminster H - C.	24679	10	10	2	3	-	-	-	-	1	-	-	-	-	-	3	-	-			
St. James Westminster WHH N.R. & G.J.	29941	12	7	-	3	-	1	-	-	-	-	-	-	-	1	1	-	-			
St. Anne Soho HHHHHH - N.R.	16608	8	3	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-			
NORTH DISTRICTS.																					
All Souls Marylebone HHHHH- W.M.	26759	11	14	3	2	-	1	-	1	-	-	-	-	-	-	-	4	-			
Cavendish Square HHHH - W.M.	14381	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-			
Rectory Marylebone WH G.J. & W.M.	24899	12	7	1	2	-	1	-	-	-	-	-	-	-	-	1	3	-			
St. Mary Marylebone HHH G.J. & W.M.	21118	22	12	3	3	-	1	-	-	3	-	-	-	-	1	1	1	-			
Christchurch Marylebone HH - W.M.	33700	25	9	4	-	-	2	-	-	1	-	-	-	-	1	2	-	-			
St. John Marylebone H - W.M.	33638	14	14	2	5	-	1	-	-	1	-	-	-	-	2	-	-	-			
Hampstead WWHHHH N.R. & W.M.	45452	31	14	4	3	-	-	-	3	1	-	-	-	-	-	3	-	-			
Regent's Park Paneras H - W.M.	39115	17	8	3	1	-	-	-	-	-	-	-	-	-	-	3	-	-			
Tottenham-court WHHHH N.R. & W.M.	27729	9	10	2	1	-	-	-	2	1	-	-	-	-	-	1	6	-			
Gray's Inn Lane HHH - N.R.	30247	13	9	2	1	-	-	-	-	1	-	-	-	-	-	1	3	-			
Somers Town H - - N.R.	34369	19	16	2	1	-	2	-	-	-	1	-	-	-	1	2	-	-			
Camden Town WH - - N.R.	17311	10	11	2	4	-	-	-	-	-	-	-	-	-	1	5	-	-			
Kentish Town W - - N.R.	87487	70	30	6	9	-	1	-	2	1	-	-	-	-	2	5	6	-			
Upper Holloway WWH - - N.R.	67946	40	31	6	9	-	1	-	-	1	-	1	-	1	-	1	10	-			
Islington South-west HH - N.R.	100976	75	33	9	1	-	9	1	-	3	-	-	-	-	2	2	-	-			
Islington South-east - - N.R.	61825	45	21	1	6	-	4	1	-	2	-	-	-	-	1	-	-	-			
Highbury H - - N.R.	52048	23	12	4	3	-	-	1	-	-	1	-	-	-	-	1	-	-			
Stoke Newington H - - N.R.	22731	15	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Stamford Hill - - E.L.	9277	7	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
West Hackney H - - N.R.	37610	29	19	6	4	-	-	-	1	2	1	-	-	-	-	1	6	1			
Hackney WWHH - - E.L. & N.R.	73911	53	40	11	7	-	5	1	3	4	-	-	-	-	2	4	13	-			
South Hackney - - E.L.	39833	19	14	5	2	-	1	-	-	2	-	-	-	-	2	4	-	-			
CENTRAL DISTRICTS.																					
St. George Bloomsbury - - N.R.	16631	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Giles South WH - - N.R.	14384	11	3	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-			
St. Giles North - - N.R.	18337	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Martin-in-the-Fields HH N.R. & C.	17509	2	7	-	2	-	-	-	-	-	-	-	-	-	1	1	2	-			
St. Mary-le-Strand H - - N.R.	7515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Clement Danes H - - N.R.	8559	3	8	1	2	-	-	-	-	-	-	-	-	-	-	1	3	5			
Strand Union Workhouse, Edmonton w.	-	-	3	1	2	-	-	-	-	-	-	-	-	-	-	-	8	-			
St. Geo.-the-Martyr HHHHHH N.R.	18571	12	14	9	-	-	-	-	-	1	-	-	-	-	2	5	-	-			
St. Andrew Eastern W - - N.R.	10706	6	6	-	3	-	1	-	1	-	-	-	-	-	-	1	-	-			
Saffron Hill H - - N.R.	4533	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. James Clerkenwell - - N.R.	17516	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Amwell Clerkenwell - - N.R.	19281	10	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Pentonville - - N.R.	14773	8	3	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-			
Goswell-street - - N.R.	17506	10	3	1	-	-	-	-	-	-	-	-	-	-	1	2	-	-			
Old-street H - - N.R.	11541	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
City-road HHL - - N.R.	18623	6	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Whitecross-street - - N.R.	9217	6	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Finsbury - - N.R.	7463	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Holborn Union Workhouse, Mitcham; w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Botolph H - - N.R. & E.L.	11174	3	3	2	-	-	-	-	-	-	-	-	-	-	1	2	-	-			
Cripplegate - - N.R.	7193	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Sepulchre H - - N.R.	5353	1	14	-	3	-	-	-	1	-	-	-	-	-	3	3	13	-			
St. Bride W - - N.R.	8396	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Allhallows Barking - - N.R.	13669	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street H - - N.R.	5659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work-house; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Workhouses which supply the different sub-districts:—A. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. N. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
aturday, 24th May, 1890.

REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of															Deaths from															Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 24th May, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	
LONDON—OUTER RING		370,924	950,957	779	414	90	101	-	14	2	3	23	2	2	19	31	45	9	
30:1	Carshalton wL -	12228	21118	19	7	1	2	-	-	-	-	-	-	-	1	1	1	-	
2	Epsom (part of)* WwH	9971	10710	5	7	1	2	-	-	1	-	-	-	-	1	1	-	-	
37:1	Godstone (part of)* -	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon Ww L -	20851	101241	73	58	9	18	-	4	-	1	1	-	-	1	1	17	-	
2	Mitcham w† -	11697	17932	14	8	1	4	-	-	-	-	-	-	-	1	2	-	-	
39:1	Wimbledon HHH -	3220	15950	10	6	1	1	-	-	-	-	-	-	-	-	-	1	-	
2	Kingston WHH -	8549	36354	19	15	3	6	-	-	-	-	-	-	-	-	2	3	-	
3	Esher (part of)* -	6601	9231	2	1	-	-	-	-	-	-	-	-	-	1	1	-	-	
4	Hampton H -	4573	13539	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond WH -	2272	21302	10	7	-	1	-	-	-	-	2	-	-	1	1	2	-	
2	Mortlake -	2941	12331	12	7	2	2	-	-	-	-	-	-	-	2	2	-	-	
41:1	Bromley (pt. of)* HH	15669	81142	28	10	2	2	-	-	-	-	1	-	1	-	-	-	1	
2	Chislehurst (pt. of)* WHH	14307	16844	10	4	1	3	-	-	-	-	-	-	-	-	-	1	-	
42:1	Bexley H -	13437	24134	16	5	2	2	-	-	-	-	-	-	-	-	1	-	-	
2	Dartford (Ww, pts. of)*†	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sanbury w -	11055	11635	6	5	2	1	-	-	-	-	-	-	-	-	-	-	-	
2	Staines W -	13277	12089	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon WHH -	6029	10802	6	2	1	1	-	-	-	-	-	-	-	-	1	-	-	
2	Uxbridge -	6178	3225	6	2	-	1	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes wHL -	14587	11523	5	5	-	3	-	1	-	-	-	-	-	-	-	-	-	
126:1	Isleworth WHH -	7008	22727	22	11	2	2	-	1	-	-	-	-	-	-	1	3	-	
2	Twickenham H -	2477	12479	8	5	1	1	-	-	-	1	-	-	-	-	-	-	-	
3	Brentford HL -	4345	27649	18	10	1	-	-	-	-	-	-	-	-	-	2	-	-	
4	Chiswick -	1840	15975	9	6	-	2	-	-	-	-	1	-	-	-	1	-	-	
5	Acton wH -	6083	22876	2	7	2	1	-	-	-	-	-	-	-	-	-	-	-	
127:1	Harrow H -	13809	12796	5	3	1	2	-	-	-	-	-	-	-	-	-	-	-	
2	Edgware H -	6994	3749	4	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	30	23	7	5	-	2	-	-	4	-	-	-	-	-	-	
4	Hendon W -	9382	10494	13	5	-	2	-	-	-	-	-	-	-	1	1	-	-	
137:1	Bushey -	9331	6621	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138:1	South Mimms -	15199	6591	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5433	10092	7	6	-	4	-	-	-	-	1	-	-	-	2	3	-	
3	Finchley HL -	4638	17615	22	13	2	1	-	1	-	-	1	-	-	-	1	2	-	
139:1	Hatfield (part of)* -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
140:1	Hornsey H -	3039	37078	30	23	4	6	-	-	1	1	1	-	-	1	1	1	-	
2	Tottenham H -	4642	46456	70	2	6	7	-	2	-	-	3	1	-	1	1	1	-	
3	Edmonton Ww -	7453	23463	16	11	4	1	-	2	-	-	-	-	-	3	3	1	2	
4	Enfield WH -	12653	19104	19	3	2	-	-	-	-	-	-	-	-	-	-	-	1	
5	Waltham Abbey -	11017	8368	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8490	7735	7	4	-	2	-	1	-	-	-	-	-	1	1	-	-	
146:1	Stratford -	392	38606	19	9	2	2	-	-	-	-	-	-	-	2	2	-	1	
2	West Ham wvH†	4055	90347	87	43	17	7	-	-	-	-	4	1	1	-	-	-	3	
3	East Ham wv -	3296	10706	14	2	2	-	-	-	-	-	2	-	-	-	-	-	-	
4	Leyton WwL -	4372	32430	41	20	3	4	-	-	-	-	2	-	-	-	-	4	1	
5	Walthamstow H -	6520	23869	26	14	3	1	-	-	-	-	-	-	-	2	2	-	-	
87:1	Chigwell (part of)* H	11761	9639	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epping (W, pt. of)* -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
89:1	Romford (part of)* W	6730	3411	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	
2	Ilford -	8493	7645	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
3	Barking Town -	4127	9203	16	2	1	-	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
20: 2, Epsom sub-district, except the parishes of Asenstead and Headley (pop. 1235); 37: 1, the parishes of Warringham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Thevdon Bois (pop. 875); 139: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Thevdon Bois (pop. 875); 139: 1, the parish of Dagham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 17: 2, Epping, sub-districts.  
† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5).  
§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).  
|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 24th May, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from  ALL CAUSES.	The DEATHS registered in the Week include															
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from												Deaths in Public Institutions.	
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.					
ATER LONDON	448,334	5,758,500	16·9	2·6	1865	425	412	1	108	17	27	114	8	12	85	369					
INNER LONDON	77,410	4,421,661	17·1	2·8	1451	335	311	1	94	15	24	91	6	10	66	324					
UTER RING	370,924	1,336,839	16·1	1·8	414	90	101	-	14	2	3	23	2	2	19	45					

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ANTWERP	433,219	April	5	-	-	-	-	-	-	-	-	-	-
BAY	773,196	May	6	316	348	19·5	3	5	?	?	?	127	22
BRAS	398,777	April	4	281	336	43·7	5	17	-	-	-	115	33†
BREITENBURG	2,260,945	May	17	1109	999	23·0	2	63	2	31*	4	11	67
BREITENBURG (Faubourgs.)	477,288	"	17	243	178	19·5	-	1	-	-	5	-	11
BRISBANE	406,302	"	17	273	157	20·1	-	-	-	2	-	1	1
BRISBANE	203,486	"	17	155	85	21·7	-	-	-	-	4	-	1
BRUSSELS	156,497	"	17	95	57	18·9	-	-	-	-	1	-	-
COPENHAGEN	312,387	"	17	194	122	20·4	-	2	1	7	-	-	6
COPENHAGEN	236,350	"	10	150	84	18·5	-	-	8	4*	-	1	10
COPENHAGEN	143,300	"	17	51	48	17·4	-	-	1	5	1	1	3
DANTZIG	924,466	"	3	-	539	30·4	1	22	22	6	4	10	40
DANTZIG	924,466	"	10	-	507	28·6	1	22	26	9	2	4	52
DANTZIG	1,526,887	"	3	923	632	21·4	-	20	3	34	12	3	46
DANTZIG (State)	575,276	"	10	399	264	23·9	-	6	-	12*	2	2	14
DENVER	269,250	"	10	163	116	22·4	-	2	-	7*	-	-	4
DUBLIN	324,143	"	17	237	171	28·0	-	-	1	5*	-	1	18
DUBLIN	298,000	"	17	249	181	31·6	-	1	1	8*	-	1	35
DUBLIN	822,176	"	17	642	411	26·0	2	18	1	4	3	1	33
DUBLIN	314,425	"	17	-	159	26·4	-	7	2	4	3	1	3
DUBLIN	463,017	"	10	380	301	33·8	-	4	2	12	-	3	24
DUBLIN	160,092	"	17	105	75	24·4	-	-	-	-	-	-	2
DUBLIN	413,217	April	19	200	173	21·8	-	4	1	7	-	5†	10
DUBLIN (11 days)	314,827	"	10	-	-	-	-	-	-	-	-	-	-
DUBLIN	156,515	May	3	59	55	18·3	6	-	-	1	-	-	5
DUBLIN	374,838	"	1	330	339	47·0	-	-	-	1	3	25	98
DUBLIN	231,396	"	1	192	160	41·3	1	-	-	1	-	11	43
DUBLIN	1,595,547	"	3	-	741	24·0	-	27	12	28	5	1	19
DUBLIN	859,612	"	3	-	342	20·8	-	1	1	23	1	1	2
DUBLIN	1,064,277	"	3	-	367	18·0	-	5	4	5	2	12	5
DUBLIN	500,343	"	10	-	208	21·6	-	7	-	2	-	3	8
DUBLIN	254,000	April	26	-	-	-	-	-	-	-	-	-	-

\* Including deaths from croup.

† Including 1 death from cholera.

‡ Including 4 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, MAY 24TH, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.						TEMPERATURE.						Wind as deduced from Anemometers.						Rain collected in a Gauge whose receiving surface is 5 inches above the level of the Ground.					
MONTH AND DAY.	Phases of the Moon.	BARO-METER.		Of the Air.				Difference between the Air and Dew Point Temperature.		Degree of Humidity (Saturation 100).		Of the Water of the Thames at Deptford.		Oster's.		Pressure on the Square Foot.		Robinson's.		Miles.	in.				
		Mean daily reading (corrected and reduced to 32° Fahrenheit).	Mean daily reading (corrected and reduced to 32° Fahrenheit).	Low. est.	Daily Range.	Mean from daily value.	Dew point from daily value.	Mean from daily value.	Dew point from daily value.	High. est.	Low. est.	High. est.	Low. est.	A.M.	P.M.	Great- est.	Least.	Mean of 24 hourly obs.	Horizontal Movement of the Air on each Day.			Depar- ture from Average of 16 Years.			
MAX.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°			
SUN. . 18	New.	29.572	70.1	48.0	22.1	58.5	+ 4.4	46.0	12.5	20.3	2.0	63	134.7	42.4	0.0	0.0	0.0	0.0	148	-105	0.03	5.0			
MON. . 19	..	29.512	70.5	44.3	26.2	53.4	+ 4.0	51.2	7.2	16.0	0.2	77	134.0	37.9	0.0	0.0	0.0	0.0	162	- 86	0.11	5.5			
TUES. . 20	..	29.620	62.8	48.9	13.0	53.9	- 0.8	45.4	8.5	16.2	1.9	73	117.9	44.0	0.0	0.0	0.0	0.0	370	+122	0.00	13.8			
WED. . 21	..	30.017	71.1	45.1	26.0	50.4	+ 1.4	44.0	12.4	23.4	0.7	63	140.2	38.9	0.0	0.0	0.0	0.0	226	- 22	0.03	11.7			
THURS. . 22	Greatest Dec. N.	30.114	73.0	41.2	31.8	57.8	+ 2.5	44.5	13.3	23.1	0.7	61	131.3	38.1	0.0	0.0	0.0	0.0	161	- 87	0.00	0.0			
FRI. . 23	..	30.063	72.2	44.2	28.0	59.4	+ 3.9	44.5	14.9	24.0	1.1	58	134.4	37.3	0.0	0.0	0.0	0.0	321	+ 73	0.00	0.0			
SAT. . 24	Apogee.	29.842	77.1	47.8	29.3	63.8	+ 8.1	49.5	14.3	23.5	1.7	60	138.8	40.2	0.0	0.0	0.0	0.0	337	+ 90	0.00	0.0			
MEANS .	..	29.811	71.0	45.6	25.3	58.3	+ 3.4	46.4	11.9	20.9	1.2	65	133.0	39.1	..	..	..	..	Sum 1720	Sum - 15	0.14	5.1			
No. of Col. .	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 22. 1890. VOL. LI.]      WEEK ENDING SATURDAY, MAY 31.      [Price 1½d.

General Register Office, Somerset House,  
2nd June, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17·8 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	May 10.	May 17.	May 24.	May 31.		May 10.	May 17.	May 24.	May 31.
Birkenhead	15·4	11·9	21·8	17·4	Liverpool -	20·2	23·5	19·9	19·8
Birmingham	20·0	19·9	17·2	15·5	London -	17·3	17·3	17·1	16·6
Blackburn -	17·3	22·8	21·5	19·4	Manchester -	31·3	35·0	28·0	28·7
Bolton -	32·4	32·4	23·4	22·1	Newcastle-on-Tyne	32·3	25·9	23·4	25·9
Bradford -	20·4	22·5	18·4	16·3	Norwich -	17·5	20·2	19·1	15·3
Brighton -	15·2	13·1	15·6	17·3	Nottingham -	16·6	15·5	15·8	11·7
Bristol -	14·4	19·1	14·6	15·5	Oldham -	21·0	18·5	17·4	17·1
Cardiff -	16·0	19·2	20·1	13·4	Plymouth -	20·5	17·2	15·9	15·2
Derby -	27·4	24·3	24·8	16·5	Portsmouth -	15·7	16·0	14·6	16·4
Halifax -	25·4	17·8	24·2	23·5	Preston -	20·3	22·3	18·3	23·8
Huddersfield	10·5	16·0	9·4	19·9	Salford -	22·8	20·9	20·2	18·7
Hull -	17·6	17·6	18·8	17·8	Sheffield -	26·2	26·8	22·1	21·5
Leeds -	22·8	23·5	20·2	17·9	Sunderland -	21·4	28·6	26·7	19·5
Leicester -	12·5	16·9	18·6	14·5	Wolverhampton -	13·8	16·9	15·0	16·3

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in London and in Liverpool, 1·1 in Birmingham, and 2·1 in Derby; from *scarlet fever*, 1·0 in Manchester; and from *whooping-cough*, 1·1 in Norwich and in Sheffield, and 2·1 in Derby. The rate from *fever* did not reach 1·0 per 1000 in any of the twenty-eight towns. The 46 deaths from *diphtheria* included 25 in London, 4 in Liverpool, 5 in Manchester, 4 in Salford, 2 in Brighton, 2 in Birkenhead, and 2 in Hull. One death from *small-pox* was recorded in Huddersfield.

## LONDON.

In LONDON 2091 BIRTHS and 1411 DEATHS were registered. Allowing for increase of population, the births were 570, and the deaths 80, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had gradually declined in the seven preceding weeks from 19·1 to 17·1, further fell last week to 16·1, this rate being the lowest recorded this year. During the first nine weeks of the current quarter the death-rate averaged 17·7 per 1000, and was 1·7 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1411 deaths included 83 from *measles*, 14 from *scarlet fever*, 25 from *diphtheria*, 78 from *whooping-cough*, one from *typhus*, 3 from *enteric fever*, 10 from *diarrhœa* and *dysentery*, and not one from *small-pox*, ill-defined forms of

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



continued fever, or cholera; thus, 214 deaths were referred to these diseases, being 5 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 18; five cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had increased from 62 to 94 in the three previous weeks, declined last week to 83, exceeding the corrected average, however, by 14; 6 belonged to Paddington, 11 to Kensington, 6 to Hammersmith, 6 to Fulham, 4 to Shoreditch, 3 to Rotherhithe, 5 to Battersea, 5 to Wandsworth, and 3 to Greenwich sanitary areas. The 14 fatal cases of *scarlet fever* showed a slight further decline, and were 12 below the corrected average; 2 belonged to Shoreditch and 4 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1089 scarlet-fever patients at the end of last week, the numbers in the two preceding weeks having been 1101 and 1067; the number of cases admitted during the week was 106, corresponding with that in the previous week. The deaths from *diphtheria*, which had been 21 and 24 in the two preceding weeks, further rose last week to 25, exceeding the corrected average by 8; 2 belonged to Kensington, 3 to Pancras, 2 to Hackney, 2 to Bethnal Green, 3 to Poplar, and 3 to Lambeth sanitary areas. The 78 deaths from *whooping-cough*, though fewer than those recorded in any recent week, exceeded the corrected average by 19; 3 belonged to Paddington, 7 to Islington, 5 to Shoreditch, 4 to Whitechapel, 4 to Mile End Old Town, 7 to Poplar, 3 to St. George Southwark, 4 to Newington, 4 to Lambeth, 3 to Wandsworth, and 4 to Greenwich sanitary areas. The 10 deaths from *diarrhoea* corresponded with the number in the previous week, and were 7 below the corrected average; 9 were of children under five years of age.

The deaths referred to *enteric fever*, which had been 8 and 6 in the two preceding weeks, further declined last week to 3, and were but one-fourth of the corrected average. The Metropolitan Asylum Hospitals contained 54 cases of enteric fever, and 3 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 3 and 5 in the two preceding weeks. Eight deaths were ascribed to *puerperal fever*, against a corrected average of 4, and of these, 3 belonged to Hackney sanitary area.

One death was attributed primarily to *influenza*, the deaths so returned in the three preceding weeks having numbered 3, 2, and 1.

The 259 deaths referred to diseases of the respiratory organs showed a further decline from the number in recent weeks, but exceeded the corrected average by 7.

Different forms of violence caused 64 deaths, concerning all but 1 of which inquests were held. Of these 64 deaths, 9 were cases of suicide, and 1 of murder or manslaughter, while the remaining 54 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 2 by fall from swing, 2 by burns or scalds, 13 by drowning, and 14 (of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 2757 births and 1790 deaths were registered, corresponding to annual rates of 25.0 and 16.2 per 1000 of the estimated population. In the Outer Ring 20 deaths from measles, 20 from whooping-cough, and 6 from diarrhoea were registered. The deaths from measles included 7 in Croydon and 4 in Tottenham sub-districts; and of the deaths from whooping-cough, 3 occurred in Tottenham, 3 in West Ham, 2 in East Ham, 2 in Leyton, and 3 in Walthamstow sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.85 ins.; the lowest reading was 29.72 ins. on Sunday evening, and the highest 29.99 ins. on Saturday at noon. The mean temperature of the *air* was 54°.0, and 2°.5 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed a considerable excess on Sunday, but was below the average during the rest of the week. The direction of the *wind* was Northerly, and the horizontal movement of the air averaged 13.1 miles per hour, which was 2.9 miles above the average in the corresponding weeks of 16 years. *Rain* was measured on Friday to the amount of 0.07 of an inch. The duration of registered bright sunshine in the week was 51.9 hours, against 53.3 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 31st May 1890.

CITIES AND BOROUGH.	POPULATION estimated to the middle of the year 1890.			Registered during the Week ending 31st May, 1890.		The DEATHS registered in the Week include												TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGH.
	1.	2.	3.	Deaths of		Deaths from								Inquest Cases.				Mean.		In Inches.	In Cent.			
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Dysentery.	Violence.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Causes.	From Diseases in Week.	Highest.	Lowest.			Fahrenheit.	Centigrade.	
Colts.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
28 TOWNS.	9,715,559	4619	3310	800	670	1	122	56	46	118	18	35	130	238	626	73	17.8	2.1	76.6	34.5	52.1	11.17	0.16	0.41
LONDON.	4,421,661	2061	1411	349	290	-	83	14	25	78	4	10	64	123	328	9	16.6	2.5	76.6	39.5	54.0	12.22	0.07	0.18
BRIGHTON.	123,689	44	41	7	7	-	-	-	2	-	-	-	2	2	9	1	17.3	1.3	76.0	40.0	54.1	12.28	0.05	0.13
PORTSMOUTH.	142,962	76	45	9	19	-	-	-	-	-	-	-	-	-	8	1	16.4	0.7	-	-	-	-	-	-
NORWICH.	55,352	54	28	9	6	-	-	-	-	-	-	-	3	3	6	1	15.3	1.1	-	-	-	-	-	-
PLYMOUTH.	78,780	39	23	7	6	-	1	1	-	-	-	-	-	-	3	1	15.2	1.3	76.2	45.0	57.7	14.28	0.26	0.66
BRISTOL.	232,248	87	69	19	16	-	-	1	-	2	1	5	5	6	13	2	15.5	1.6	75.0	36.0	51.6	10.89	0.04	0.10
WOLVERHAMPTON.	88,406	47	26	11	3	-	-	-	-	1	-	-	1	1	4	-	16.3	0.6	74.6	34.7	51.3	10.72	0.11	0.28
BIRMINGHAM.	461,808	221	137	36	23	-	10	4	-	5	-	2	11	12	27	2	15.5	2.4	-	-	-	-	-	-
LEICESTER.	154,344	106	43	13	13	-	-	2	-	-	-	-	-	1	8	2	14.5	0.7	-	-	-	-	-	-
NOTTINGHAM.	244,969	105	55	23	6	-	3	1	-	-	-	-	1	1	3	1	11.7	0.9	73.0	34.5	50.9	10.50	0.14	0.36
DERBY.	100,871	42	32	9	5	-	4	-	-	4	-	-	-	2	2	1	16.5	4.1	-	-	-	-	-	-
BIRKENHEAD.	105,019	64	35	8	8	-	-	-	2	-	-	-	-	-	2	-	17.4	1.0	-	-	-	-	-	-
LIVERPOOL.	613,463	274	233	47	84	-	12	10	4	5	4	3	14	18	41	16	19.8	3.2	72.7	42.3	50.5	10.28	0.21	0.53
BOLTON.	115,846	60	40	8	12	-	-	3	-	1	-	1	2	6	7	1	22.1	2.3	-	-	-	-	-	-
MANCHESTER.	378,437	138	209	52	33	-	4	7	5	2	-	1	8	21	50	5	28.7	2.6	-	-	-	-	-	-
SALFORD.	242,509	79	87	22	18	-	1	3	4	3	1	4	3	3	8	8	18.7	3.4	-	-	-	-	-	-
OLDHAM.	146,716	60	48	9	7	-	-	-	-	1	1	-	-	-	9	-	17.1	0.7	-	-	-	-	-	-
BLACKBURN.	123,568	82	46	10	10	-	-	-	-	-	-	1	1	1	1	1	19.4	0.8	-	-	-	-	-	-
PRESTON.	106,163	65	48	18	7	-	-	-	-	-	-	2	1	5	3	1	23.8	1.5	-	-	-	-	-	-
HUDDESFIELD.	94,253	20	36	5	11	1	-	1	-	-	-	-	-	-	7	1	19.9	1.1	-	-	-	-	-	-
HALIFAX.	82,034	36	37	4	11	-	-	-	-	-	-	-	-	-	1	5	23.5	0.0	-	-	-	-	-	-
BRADFORD.	240,515	100	75	13	18	-	1	1	-	-	-	2	-	3	12	2	16.3	0.9	70.8	37.0	51.2	10.67	0.18	0.46
LEEDS.	368,789	196	125	30	35	-	-	1	-	3	2	2	2	9	16	1	17.9	1.1	-	-	-	-	-	-
SHEFFIELD.	332,837	158	137	31	31	-	3	4	-	7	-	1	3	4	17	8	21.5	2.3	-	-	-	-	-	-
HULL.	213,833	127	73	16	15	-	-	-	1	1	-	2	4	5	10	3	17.8	1.5	65.0	37.0	47.8	8.78	0.40	1.02
SUNDERLAND.	156,506	78	51	7	9	-	-	1	-	-	-	-	2	2	5	-	19.5	0.8	-	-	-	-	-	-
NEWCASTLE.	162,987	110	81	20	13	-	-	-	1	2	1	-	2	4	11	2	25.9	1.3	-	-	-	-	-	-
CARDIFF.	117,012	60	30	8	4	-	-	-	-	-	2	-	-	-	4	1	13.4	0.9	-	-	-	-	-	-
EDINBURGH.	271,135	150	102	23	18	-	1	-	1	9	2	-	6	9	19	26	19.6	2.5	67.5	36.0	49.1	9.50	0.31	0.79
GLASGOW.	130,208	380	240	62	23	-	29	1	4	13	3	6	13	9	47	20	28.5	5.5	64.4	36.3	50.6	10.33	0.31	0.79
DUBLIN.	363,082	210	152	17	39	-	2	-	1	5	-	8	3	4	64	9	22.5	1.6	63.2	34.6	49.8	9.89	0.25	0.63

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-SECOND Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2489	2578	2176	2622	2548	2409	2537	2148	2491	2405	2661.1	2091
Males . .	1270	1316	1109	1322	1290	1228	1311	1079	1275	1214	1353.7	1054
Females .	1219	1262	1067	1300	1258	1181	1226	1069	1216	1191	1307.4	1037
<b>TOTAL Deaths</b>	1306	1507	1304	1405	1476	1521	1235	1447	1323	1151	1491.2	1411
Males . .	685	782	704	754	795	765	684	798	697	607	787.4	770
Females .	621	725	600	651	681	756	601	649	626	544	703.8	641

\* The numbers in this column are the average weekly numbers in the twenty-second weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	
<b>TOTAL Births</b> - -	2536	2717	2534	2543	2329	2360	2935	2538	2613	2308	2468	2443	2091	
<b>TOTAL Deaths</b> - -	1889	1771	1637	1571	1419	1619	1611	1567	1533	1469	1466	1451	1411	
Ages at Death {	0—20 years - -	798	776	729	743	657	774	782	742	721	712	707	739	713
	20—40 " - -	226	196	193	204	183	204	177	197	210	170	178	166	186
	40—60 " - -	348	303	296	264	239	275	282	255	227	243	261	235	222
	60—80 " - -	428	404	342	309	285	303	291	313	305	274	257	239	244
	80 years & upwards - -	89	92	77	51	55	58	79	60	70	70	63	72	46
" {	Under 1 year - -	394	392	381	366	310	372	356	369	337	360	339	335	349
	1—5 - -	294	271	270	304	253	298	322	286	294	251	266	307	250
	5—20 - -	110	118	78	73	94	104	104	87	90	101	102	97	114
Deaths from Small-pox - -	-	-	-	-	-	-	-	-	1	-	-	1	-	
" " Measles - -	35	35	45	45	35	54	65	61	67	62	70	94	83	
" " Scarlet fever - -	12	18	11	10	8	12	13	17	15	12	17	15	14	
" " Diphtheria - -	19	25	23	30	20	21	17	20	18	25	21	24	25	
" " Whooping-cough - -	95	86	76	101	84	79	106	88	86	99	88	91	78	
" " Typhus - -	-	-	-	-	-	1	-	-	1	-	-	-	1	
" " Enteric fever - -	4	3	7	7	2	4	8	6	6	3	8	6	3	
" " Simple Cont'd fever - -	1	1	-	1	1	-	-	1	-	-	2	-	-	
" " Diarrhoea and Dysentery - -	9	14	14	13	10	10	11	13	21	11	17	10	10	
" " Cholera - -	-	-	-	-	-	-	-	-	-	-	-	1	-	
" " all the above-mentioned Diseases - -	175	182	176	207	160	181	220	206	215	212	223	242	214	
" " Dis. of Respiratory System - -	510	447	381	375	296	384	380	345	326	301	300	294	259	
" " Phthisis - -	206	164	169	154	180	174	189	154	143	139	154	117	116	
" " Dis. of Circulatory System - -	163	145	148	120	114	151	133	119	140	132	124	121	117	
Violent Deaths - -	65	76	49	61	36	60	41	61	61	62	45	66	64	
Inquest Cases - -	120	162	115	117	85	133	105	125	124	134	100	119	123	
Deaths in Public Institutions - -	406	390	406	377	362	382	338	374	342	326	376	324	328	
<b>TEMPERATURE OF THE AIR</b>														
Mean - -	36.4	45.3	43.3	49.0	43.8	43.2	46.1	47.1	50.7	52.4	55.3	58.3	54.0	
Mean of Highest readings - -	43.6	54.0	52.0	57.3	54.9	52.0	53.8	56.7	62.2	61.6	67.4	71.0	65.9	
Mean of Lowest readings - -	29.0	37.6	36.0	42.6	33.1	37.0	39.9	40.1	38.9	44.6	45.6	45.6	44.0	
Humidity of the Air - -	69	79	82	84	72	72	81	82	67	80	69	65	65	
Rain-fall in inches - -	0.33	0.24	0.81	0.41	0.00	0.29	0.38	1.00	0.07	0.56	0.56	0.14	0.07	
Registered Sunshine (in hours) - -	12.1	28.1	21.5	14.6	59.8	22.0	27.0	15.9	63.9	14.2	54.0	71.2	51.9	

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; F. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whiteledge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-SECOND Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 22nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 31st May 1890.								CAUSES OF DEATH.	Corrected Averages for the 22nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 31st May 1890.									
		Deaths of Persons of the Ages										Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
			0-1.	1-5.	5-20.								0-1.	1-5.	5-20.						
ALL CAUSES - -	1491.2	1411	349	250	114	186	222	244	46	Diseases of Organs of Special Sense † - -	1.7	2	-	-	1	-	-	-	1		
Small-pox { Vaccinated † - -	18.3	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	104.3	117	2	1	7	21	42	40	4		
{ Unvaccinated - - -		-	-	-	-	-	-	-	-	Croup - - - - -	9.5	5	1	4	-	-	-	-	-		
Measles - - - - -	68.5	83	16	55	12	-	-	-	-	Bronchitis - - -	127.5	129	46	32	1	3	13	31	3		
Scarlet Fever - -	26.2	14	-	7	5	2	-	-	-	Pneumonia - - -	81.3	105	24	22	4	3	23	24	-		
Typhus - - - - -	0.7	1	-	-	1	-	-	-	-	Pleurisy - - - -	5.7	7	-	1	-	3	1	-	-		
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	27.3	13	3	4	1	1	2	2	-		
Influenza - - - -	0.0	1	-	-	-	1	-	-	-	Dentition † - - -	11.3	15	10	5	-	-	-	-	-		
Whooping-cough - -	58.8	78	36	38	4	-	-	-	-	Quinsy, Sore Throat †	2.1	-	-	-	-	-	-	-	-		
Diphtheria - - - -	16.6	25	2	15	8	-	-	-	-	Enteritis - - - -	6.8	10	2	-	6	2	-	-	-		
Simple Continued and Ill-defined Fever -	1.6	-	-	-	-	-	-	-	-	Peritonitis - - -	5.9	5	1	-	1	1	3	-	-		
Enteric Fever - - -	11.6	3	-	1	-	1	-	1	-	Diseases of Liver -	81.9	21	3	-	-	5	7	6	1		
Cholera - - - - -	0.5	-	-	-	-	-	-	-	-	Other Diseases of Digestive System -	31.3	26	5	1	2	4	2	10	2		
Diarrhoea, Dysentery	16.6	10	7	2	-	-	-	1	-	Diseases of Lymphatic System & of Ductless Glands † - - -	2.4	1	-	-	1	-	-	-	-		
Remittent Fever † -	0.0	-	-	-	-	-	-	-	-	Diseases of Urinary System - - -	33.1	46	-	-	5	9	17	13	2		
Hydrophobia - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Generative System - - -	6.9	10	-	-	-	6	2	1	1		
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.8	8	-	-	-	7	1	-	-		
Cowpox and Effects of Vaccination † - -	0.3	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - -	7.2	7	-	-	3	3	-	1	-		
Venereal Affections	10.1	8	5	-	-	3	-	-	-	Diseases of Integumentary System - - -	4.5	4	1	-	-	1	-	2	-		
Erysipelas - - - -	5.3	4	2	-	-	1	1	-	-	VIOLENT DEATHS. ‡											
Pyæmia and Septicæmia †	2.5	3	-	1	-	2	-	-	-	(ACCIDENT.)											
Puerperal Fever - -	4.0	3	-	-	-	3	-	-	-	Fracture and Contusion	22.2	23	1	4	3	4	7	3	1		
Other Zymotic Diseases †	1.7	-	-	-	-	-	-	-	-	Gunshot Wound - -	0.1	-	-	-	1	-	-	-	-		
Thrush - - - - -	2.2	1	1	-	-	-	-	-	-	Cut, Stab - - - -	0.4	1	-	-	-	-	-	-	-		
Worms and other Parasitical Diseases - -	0.1	-	-	-	-	-	-	-	-	Burn and Scald - -	3.6	2	-	1	-	-	1	-	-		
Starvation, Want of Breast-milk † - -	1.1	-	-	-	-	-	-	-	-	Poison - - - - -	1.9	-	-	-	-	-	-	-	-		
Alcoholism - - - -	5.9	9	-	-	-	2	5	2	-	Drowning - - - -	10.8	13	-	-	4	6	2	1	-		
Rheumatic Fever, } Rheumatism of Heart, }	6.8	3	-	-	3	2	3	-	-	Suffocation - - -	11.2	14	14	-	-	-	-	-	-		
Rheumatism † - - -	1.9	2	-	-	-	-	2	-	-	Otherwise - - - -	2.8	1	-	-	1	-	-	-	-		
Gout - - - - -	4.3	4	-	-	-	1	-	3	-	(HOMICIDE.)											
Rickets † - - - -	4.3	5	1	4	-	-	-	-	-	Murder & Manslaughter	2.7	1	-	-	-	-	-	-	1		
Cancer - - - - -	55.2	46	1	-	1	4	22	18	-	(SUICIDE.)											
Tabes Mesenterica	24.1	21	10	9	2	-	-	-	-	Gunshot Wound - -	0.9	-	-	-	-	-	2	-	-		
Tubercular Meningitis	32.2	24	7	8	9	-	-	-	-	Cut, Stab - - - -	2.3	2	-	-	-	3	1	1	-		
Phthisis - - - - -	167.1	116	2	2	11	53	40	8	-	Poison - - - - -	2.2	5	-	-	-	-	-	-	-		
Scrofula, Tuberculosis	13.4	18	1	11	3	2	1	-	-	Drowning - - - -	2.1	1	-	-	-	-	-	-	-		
Other Constitutional Diseases † - -	11.5	6	-	1	1	1	1	2	-	Hanging - - - - -	2.3	-	-	-	-	-	-	-	-		
Premature Birth - -	34.9	52	52	-	-	-	-	-	-	Otherwise - - - -	1.1	1	-	-	1	-	-	-	-		
Atelectasis † - - -	2.3	3	3	-	-	-	-	-	-	(EXECUTION.)											
Congenital Malformations -	7.2	4	4	-	-	-	-	-	-	Hanging - - - - -	0.0	-	-	-	-	-	-	-	-		
Old Age - - - - -	41.5	42	-	-	-	-	-	24	18	OTHER CAUSES † - -	52.3	43	41	2	1	-	2	2	-		
Apoplexy - - - - -	40.6	36	-	-	-	2	13	19	3												
Epilepsy - - - - -	8.9	6	-	-	1	2	1	2	-												
Convulsions - - - -	44.8	36	34	2	-	-	-	-	-												
Other Diseases of Brain and Nervous System	94.2	91	11	17	11	12	8	23	9												

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.043 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, TYPHUS, ENTERIC OR TYPHOID FEVER, SIMPLE CONTINUED FEVER, DIARRHŒA, VIOLENCE, INQUEST CASES, DEATHS IN PUBLIC INSTITUTIONS, and from UNREGISTERED CAUSES, during the Week ending

		The DEATHS registered in the Week include																			
		Enu- me- rated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes.
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.					
REGISTRATION SUB-DISTRICTS.																					
LONDON		3,815,704	2091	1411	349	290	-	83	14	25	78	1	3	-	10	64	123	328			
WEST DISTRICTS		689,638	318	272	74	52	-	33	2	5	12	-	1	-	-	9	16	68			
NORTH DISTRICTS		905,947	475	307	67	70	-	15	4	8	12	-	1	-	4	9	19	74			
CENTRAL DISTRICTS		282,238	125	104	27	23	-	1	-	3	6	-	-	-	2	9	12	24			
EAST DISTRICTS		692,738	403	262	65	61	-	8	1	4	22	1	-	-	3	16	33	70			
SOUTH DISTRICTS		1,265,148	770	466	116	84	-	27	7	5	26	-	1	-	1	21	43	92			
METROPOLITAN ASYLUM Hos- PITALS OUTSIDE REGISTRATION LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WEST DISTRICTS.																					
St. Mary Paddington WHH G.J. & W.M.		69888	45	29	7	3	-	4	-	1	3	-	-	-	-	2	2	1			
St. John Paddington H - - G.J.		37380	7	16	5	1	-	2	-	1	-	-	-	-	-	-	7	-			
Kensington Town Ww - - W.M.		120141	48	54	13	11	-	11	1	-	2	-	-	-	1	2	10	2			
Brompton H - - W.M. & C.		43010	19	12	3	8	-	-	-	-	-	-	-	-	-	-	-	-			
St. Peter Hammersmith - - W.M.		7899	4	2	-	1	-	1	-	-	-	-	-	-	-	2	-	-			
St. Paul Hammersmith H W.M. & G.J.		64340	41	20	6	5	-	4	-	-	2	-	-	-	-	2	3	-			
Fulham Ww - - W.M. & C.		42900	39	38	8	11	-	7	-	2	1	-	1	-	-	1	9	-			
Chelsea South HHH - - C.		30396	9	9	4	-	-	-	-	-	-	-	-	-	-	-	5	-			
Chelsea North-west WHHHH C.		24925	11	6	2	-	-	1	-	-	-	-	-	-	-	-	2	-			
Chelsea North-east - - C.		32807	20	7	2	1	-	-	1	-	1	-	-	-	-	-	1	-			
May Fair - - W - - G.J.		30353	4	17	3	5	-	-	-	-	-	-	-	-	-	-	12	-			
Belgrave WHHH - - C.		59220	22	31	10	6	-	2	-	1	2	-	-	-	3	2	11	-			
St. John Westminster HHH - - C.		35496	14	13	5	1	-	-	-	1	-	-	-	-	1	1	1	-			
St. Margaret Westminster H - - C.		24679	17	8	1	2	-	-	-	-	-	-	-	-	-	-	-	-			
St. James Westminster WHH N.R. & G.J.		29941	10	8	2	2	-	-	-	-	-	-	-	-	-	-	1	-			
St. Anne Soho HHHHHH - - N.R.		18608	8	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-			
NORTH DISTRICTS.																					
All Souls Marylebone HHHHH W.M.		26759	7	14	2	1	-	1	-	-	1	-	-	-	-	2	8	-			
Cavendish Square HHHH - - W.M.		14881	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Rectory Marylebone WH G.J. & W.M.		24809	5	4	2	1	-	-	-	-	-	-	-	-	1	-	2	-			
St. Mary Maryleb. HHH G.J. & W.M.		21118	26	8	2	1	-	2	-	-	1	-	-	-	-	-	1	-			
St. Mary Maryleb. HHH G.J. & W.M.		33700	6	4	2	1	-	1	-	-	-	-	-	-	-	-	-	-			
Christchurch Marylebone HH - - W.M.		33633	7	6	-	1	-	-	-	-	-	-	-	-	-	1	-	-			
St. John Marylebone H - - W.M.		38633	7	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
Hampstead Ww/HHHH N.R. & W.M.		45452	30	19	2	3	-	1	2	3	1	-	-	-	1	1	7	-			
Regent's Park Pancras H - - W.M.		89115	19	11	3	8	-	1	-	-	-	-	-	-	-	-	-	-			
Tottenham-court WHHHH N.R. & W.M.		27729	8	14	-	-	-	1	-	1	-	-	-	-	-	-	8	-			
Gray's Inn Lane HHH - - N.R.		80247	9	10	-	7	-	-	-	-	-	-	-	-	1	1	3	-			
Somers Town H - - N.R.		84369	15	7	4	1	-	-	-	-	-	-	-	-	1	-	-	-			
Camden Town WH - - N.R.		17811	7	9	-	5	-	-	-	-	-	-	-	-	-	-	6	-			
Kentish Town W - - N.R.		87487	52	25	3	6	-	1	-	-	-	-	-	-	-	-	5	-			
Upper Holloway Ww/H - - N.R.		67946	46	49	6	10	-	1	-	-	-	-	-	-	1	2	2	19			
Islington South-west HH - - N.R.		100976	55	20	11	4	-	3	-	-	4	-	-	-	-	-	-	-			
Islington South-east - - N.R.		61825	33	20	8	4	-	-	-	-	2	-	1	-	-	4	6	-			
Highbury H - - N.R.		52048	27	15	4	1	-	-	-	-	1	-	-	-	-	-	3	-			
Stoke Newington H - - N.R.		22781	14	5	2	1	-	1	-	-	-	-	-	-	-	-	-	-			
Stamford Hill - - E.L.		9277	9	5	2	2	-	-	-	-	-	-	-	-	-	-	1	-			
West Hackney H - - N.R.		37610	21	12	2	2	-	-	-	-	-	-	-	-	-	-	2	-			
Hackney Ww/H - - E.L. & N.R.		76911	52	40	8	10	-	1	2	3	1	-	-	-	1	1	13	-			
South Hackney - - E.L.		39883	21	10	5	3	-	1	-	1	1	-	-	-	-	-	-	-			
CENTRAL DISTRICTS.																					
St. George Bloomsbury - - N.R.		16681	3	3	1	1	-	-	-	-	-	-	-	-	1	-	-	-			
St. Giles South WH - - N.R.		14884	11	9	2	4	-	-	-	-	-	-	-	-	-	1	1	3			
St. Giles North - - N.R.		13887	5	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. Martin-in-the-Fields HH N.R. & C.		17509	6	5	2	-	-	-	-	1	1	-	-	-	-	1	1	3			
St. Mary-le-Strand H - - N.R.		7515	6	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. Clement Danes H - - N.R.		8559	2	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-			
Strand Union Workhouse, Edmonton w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	2	1			
St. Geo.-the-Martyr HHHHHH N.R.		18671	6	6	2	1	-	-	-	-	-	-	-	-	1	-	-	5			
St. Andrew Eastern W - - N.R.		10706	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Saffron Hill H - - N.R.		6538	1	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-			
St. James Clerkenwell - - N.R.		17516	10	7	-	3	-	-	-	-	-	-	-	-	-	1	1	-			
Amwell Clerkenwell - - N.R.		19281	15	8	3	-	-	-	-	-	1	-	-	-	-	1	1	-			
Pentonville - - N.R.		14773	9	7	3	1	-	-	-	-	-	-	-	-	-	2	3	-			
Goswell-street - - N.R.		17506	10	3	3	-	-	-	-	-	-	-	-	-	-	1	1	-			
Old-street H - - N.R.		11541	8	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
City-road HHL - - N.R.		18628	14	10	4	3	-	-	-	-	1	-	-	-	-	1	1	-			
Whitecross-street - - N.R.		9217	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Finsbury - - N.R.		7463	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-			
Holborn Union Workhouse, Mitcham; w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Botolph H - - N.R. & E.L.		11174	5	3	1	1	-	1	-	-	-	-	-	-	-	-	-	-			
Cripplegate - - N.R.		7193	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Sepulchre H - - N.R.		5358	-	10	1	1	-	-	-	1	-	-	-	-	-	-	-	-			
St. Bride W - - N.R.		8396	4	3	1	2	-	-	-	-	-	-	-	-	-	2	2	0			
Allhallows Barking - - N.R.		18666	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street H - - N.R.		5652	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work house; H—Hospital; L—Lunatic Asylum; Lw—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L. East London; and K., the Kent Company.

R, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
day, 31st May, 1890.

The DEATHS registered in the Week include																				
REGISTRATION SUB-DISTRICTS.				Enu-merated Popu-lation, 1881.	Total Births.	Total Deaths.	Deaths from												Deaths in Public Institutions.	Uncertified Causes of Death.
							Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.		
EAST DISTRICTS.																				
St. Andrew's South† HL*				-	-	N.R.	22843	7	6	2	1	-	-	-	1	-	-			
St. Andrew's New Town w				-	-	N.R.	28937	12	14	2	8	-	-	1	-	-	-			
St. Andrew's Old Town				-	-	N.R.	28036	17	6	3	2	-	-	1	-	-	-			
St. Andrew's East WH				-	-	N.R. & E.L.	46275	23	20	5	2	-	-	3	-	-	-			
St. Andrew's Green North H				-	-	E.L.	51157	24	16	5	6	-	-	-	-	-	-			
St. Andrew's Green South				-	-	E.L.	34399	14	4	2	-	-	-	-	-	-	-			
St. Andrew's Green East WHL*				-	-	E.L.	41405	30	15	1	2	-	-	-	-	-	-			
St. Andrew's Fields				-	-	E.L. & N.R.	22585	14	5	2	-	-	-	1	-	-	-			
St. Andrew's End New Town W				-	-	E.L.	15473	24	6	4	1	-	-	-	-	-	-			
St. Andrew's Chapel Church H				-	-	E.L. & N.R.	17490	16	24	1	4	-	-	2	-	-	-			
St. Andrew's Fields				-	-	E.L.	9713	3	2	-	-	-	-	-	-	-	-			
St. Andrew's Fields				-	-	N.R. & E.L.	6102	3	2	-	-	-	-	-	-	-	-			
St. George's, North				-	-	E.L.	38747	26	14	6	2	-	-	1	-	-	-			
St. George's, St. George East W				-	-	E.L.	8410	7	7	1	3	-	-	-	-	-	-			
St. George's, West H				-	-	E.L. & N.R.	10395	5	5	1	-	-	-	1	-	-	-			
St. George's, East H				-	-	E.L.	16107	4	1	-	-	-	-	-	-	-	-			
St. George's, West H				-	-	E.L.	32041	20	9	2	-	-	-	1	-	-	-			
St. George's, East H				-	-	E.L.	37960	29	9	2	1	-	-	3	-	-	-			
St. George's, West H				-	-	E.L.	67653	38	31	8	10	-	-	1	-	-	-			
St. George's, East H				-	-	E.L.	37074	13	30	2	2	-	-	1	-	-	-			
St. George's, West H				-	-	E.L.	64359	48	39	11	13	-	-	5	-	-	-			
St. George's, East H				-	-	E.L.	55077	23	17	5	5	-	-	1	-	-	-			
SOUTH DISTRICTS.																				
St. Andrew's Southwark WH				-	-	L. & S.	18663	8	4	2	1	-	-	-	1	-	-			
St. Andrew's Southwark				-	-	S.	14999	11	4	2	1	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	S. & L.	21881	15	6	4	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S. & L.	13953	11	8	3	1	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	21319	8	18	5	2	-	-	3	-	-	-			
St. Andrew's Southwark				-	-	S. & L.	25672	18	5	2	1	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S. & L.	59555	28	16	2	3	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	21623	8	4	-	1	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	S.	11956	8	12	1	1	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S. & L.	16390	5	2	1	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S.	15899	3	6	-	3	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S.	54682	31	14	2	4	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	S. & K.	36024	16	21	6	4	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	15195	4	8	2	2	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	16351	20	5	2	1	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	19876	14	15	2	2	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	59859	25	19	1	7	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S. & L.	45232	26	16	5	2	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S. & L.	35332	11	12	4	2	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	62827	29	21	5	6	-	-	3	-	-	-			
St. Andrew's Southwark				-	-	L.	19017	16	5	1	1	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S.	54675	42	15	5	1	-	-	3	-	-	-			
St. Andrew's Southwark				-	-	S.	32287	42	20	6	6	-	-	2	-	-	-			
St. Andrew's Southwark				-	-	S.	36280	42	7	1	3	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	S.	28004	22	15	4	3	-	-	2	-	-	-			
St. Andrew's Southwark				-	-	S.	12325	7	9	2	3	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	L.	25553	20	12	5	1	-	-	2	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	5590	2	-	-	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	S. & L.	39104	41	26	5	3	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	S., L., & K.	71089	34	21	5	4	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	L. & S.	60810	46	12	6	1	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	76752	52	37	10	3	-	-	3	-	-	-			
St. Andrew's Southwark				-	-	K.	7901	9	1	-	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	21572	13	5	2	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	24608	18	18	1	5	-	-	1	-	-	-			
St. Andrew's Southwark				-	-	K.	5048	2	-	-	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	21559	5	4	1	2	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	19865	7	4	1	1	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	L.	36076	21	4	2	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	10930	5	5	1	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	17617	6	5	1	1	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	19045	7	5	1	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	14009	6	4	1	-	-	-	-	-	-	-			
St. Andrew's Southwark				-	-	K.	19241	31	15	5	3	-	-	1	-	-	-			
Metropolitan Asylum Hospitals:																				
St. Andrew's Southwark				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Andrew's Southwark				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

The following WORKHOUSE Establishments are indicated in the above Table or w (see note at foot of preceding page) :-

St. Marylebone Infirmary in Kensington Town sub-district.  
Central London Sick Asylum in Tottenham Court sub-district.  
Holborn Infirmary in Upper Holloway sub-district.  
London City Workhouse in Hackney sub-district.  
Whitechapel " in Hoxton New Town sub-district.  
London City " Mile End Old Town Eastern sub-dist.  
London City " Mile End Old Town Eastern sub-dist.  
London City " and Bromley sub-district.  
Stepney Workhouse in Bromley sub-district.  
Poplar & Stepney Sick Asylum " in West Battersea sub-district.  
Westminster Union Industrial School in Camberwell sub-district.  
St. Saviour's Infirmary in Camberwell sub-district.  
Metropolitan Asylum District Hospital in Finsbury, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.  
Strand and Holborn Workhouses outside Registration London.

On 1st April 1890 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 31st May, 1890.

Registration District and Sub-district Numbers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, including Tidal Water and Fore-shore.	Enu-merated Popu-lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON—OUTER RING		370,924	950,957	686	379	94	101	-	20	1	3	20	1	6	15	20	40
30:1	Carshalton <i>wL</i> -	12228	21113	21	16	2	5	-	-	-	-	-	-	-	1	1	6
2	Epsom (part of)* <i>WwH</i> -	9971	10710	6	5	-	3	-	-	-	-	-	-	-	-	-	4
37:1	Godstone (part of)* -	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon <i>Ww L</i> -	20851	101241	50	37	6	11	-	7	-	1	1	-	-	2	3	5
2	Mitcham <i>w†</i> -	11697	17932	7	3	-	2	-	-	-	-	-	-	-	-	-	-
39:1	Wimbledon <i>HHH</i> -	3220	15950	11	8	-	1	-	-	-	-	-	-	-	-	1	-
2	Kingston <i>WHH</i> -	8549	36354	27	11	3	2	-	-	-	-	-	-	-	-	1	-
3	Esher (part of)* -	6601	9221	6	4	1	2	-	-	-	-	-	-	-	-	-	-
4	Hampton <i>H</i> -	4573	13539	8	3	1	1	-	-	-	-	-	1	-	-	-	-
40:1	Richmond <i>WH</i> -	2272	21302	9	6	1	2	-	-	-	-	-	-	-	-	-	-
2	Mortlake -	2941	12331	9	3	-	1	-	-	-	-	-	-	-	1	1	-
41:1	Bromley (pt. of)* <i>HH</i> -	15669	31142	18	9	1	5	-	-	-	-	1	-	-	1	1	-
2	Chislehurst (pt. of)* <i>WHH</i> -	14307	15844	2	3	1	1	-	-	-	-	-	-	-	-	-	-
42:1	Bexley <i>H</i> -	13437	24134	16	8	4	2	-	-	-	-	1	-	-	1	3	-
2	Dartford ( <i>Ww</i> , pts. of)*† -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
124:1	Sunbury <i>w</i> -	11055	11635	9	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Staines <i>W</i> -	13277	12089	9	6	1	3	-	-	-	-	-	-	-	-	-	-
125:1	Hillingdon <i>WHH</i> -	6029	10802	4	3	1	-	-	-	-	-	-	-	-	-	-	-
2	Uxbridge -	6178	3225	2	2	1	-	-	-	-	-	-	-	-	-	-	-
3	Hayes <i>wHL</i> -	14537	11523	9	2	1	-	-	1	-	-	-	-	-	-	-	-
126:1	Isleworth <i>WHH</i> -	7008	22727	14	7	3	2	-	1	-	-	1	-	-	-	-	1
2	Twickenham <i>H</i> -	2477	12479	13	5	1	4	-	-	-	-	-	-	-	-	-	-
3	Brentford <i>HL</i> -	4345	27649	22	7	-	2	-	-	-	-	-	-	-	1	1	-
4	Chiswick -	1340	15975	10	4	2	1	-	-	-	-	-	-	-	-	-	-
5	Acton <i>wH</i> -	6038	22376	7	5	2	1	-	-	-	-	-	-	1	1	1	-
127:1	Harrow <i>H</i> -	13809	12796	7	1	-	-	-	-	-	1	-	-	-	-	-	-
2	Edgware <i>H</i> -	6994	3749	-	1	-	-	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	20	16	4	2	-	2	-	-	1	-	-	-	-	-
4	Hendon <i>W</i> -	8332	10434	10	9	1	3	-	-	-	-	-	-	-	-	-	4
137:1	Bushey -	9331	6421	1	1	-	1	-	-	-	-	-	-	-	-	-	-
2	Watford ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138:1	South Mimms -	15199	6391	2	4	-	1	-	-	-	-	-	-	-	-	-	-
2	Barnet -	5433	10092	7	6	-	3	-	-	-	-	1	-	-	1	-	2
3	Finchley <i>HL</i> -	4633	17315	11	6	-	1	-	-	-	-	-	-	-	-	-	1
139:1	Hatfield (part of)* -	3306	583	-	1	-	1	-	-	-	-	-	-	-	-	-	-
139:1	Hornsey <i>H</i> -	3039	37078	19	14	2	2	-	1	-	-	-	-	-	-	-	-
2	Tottenham <i>H</i> -	4642	46456	42	38	14	7	-	4	-	1	3	-	-	1	1	-
3	Edmonton <i>Ww</i> -	7453	23463	15	11	7	2	-	1	-	-	-	-	2	-	-	2
4	Enfield <i>WH</i> -	12653	19104	12	12	4	1	-	-	-	-	1	-	1	1	2	3
5	Waltham Abbey -	11017	3363	2	1	1	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt -	8430	7735	7	1	-	-	-	1	-	-	-	-	-	-	-	-
136:1	Stratford -	892	33606	31	7	1	4	-	-	-	-	-	-	-	-	-	-
2	West Ham <i>wvH</i> -	4055	90347	93	40	14	7	-	-	-	-	3	-	1	2	2	-
3	East Ham <i>wv</i> -	3296	10703	8	7	2	-	-	-	-	-	2	-	-	-	-	-
4	Leyton <i>WwL</i> -	4372	32430	36	20	6	7	-	-	-	-	2	-	-	-	-	9
5	Walthamstow <i>H</i> -	6530	28869	35	18	4	6	-	1	1	-	3	-	-	1	1	-
137:1	Chigwell (part of)* <i>H</i> -	11761	9669	1	3	2	-	-	1	-	-	-	-	1	-	-	-
2	Epping ( <i>W</i> , pt. of)* -	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1
139:1	Romford (part of)* <i>W</i> -	6730	3411	1	3	-	-	-	-	-	-	-	-	-	-	-	1
2	Ilford -	9493	7645	5	1	-	1	-	-	-	-	-	-	-	-	-	-
3	Barking Town -	4127	9203	7	5	-	-	-	-	-	-	-	-	-	1	1	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Hendley (pop. 1235); 37:1, the parishes of Warringham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cudham, Knockholt (pop. 1813); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Norton in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 3751); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 17:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

§ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 31st May, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
ATER LONDON	448,334	5,758,500	16·2	2·4	1790	443	391	-	103	15	23	98	5	16	79	368	
NER LONDON -	77,410	4,421,661	16·6	2·5	1411	349	290	-	83	14	25	78	4	10	64	328	
UTE RING -	370,924	1,336,839	14·8	2·0	379	94	101	-	20	1	3	20	1	6	15	40	

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 6·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
BOMBAY	433,219	April 5	-	-	-	-	-	-	-	-	-	-	-
BOMBAY	773,196	May 13	241	365	20·5	7	9	-	-	-	-	125	19
BOMBAY	398,777	April 11	341	330	43·0	3	19	-	-	-	-	122	32
BOMBAY		April 18	356	370	48·2	-	13	-	-	-	-	151	34
BOMBAY	2,260,945	May 24	1195	1068	24·6	1	59	8	36*	5	8	75	
BOMBAY	477,288	" 24	272	180	20·1	2	4	-	1	1	2	16	
BOMBAY (8 Faubourgs.)													
AMSTERDAM	406,302	" 24	272	183	23·4	-	1	-	25	2	2	1	
AMSTERDAM	203,486	" 24	145	78	19·9	-	-	-	-	-	-	-	
AMSTERDAM	156,497	" 24	96	54	17·9	-	-	-	-	1	-	-	
AMSTERDAM		" 24	194	145	24·2	-	5	-	9	3	1	20	
AMSTERDAM	312,387	" 17	122	88	19·4	-	-	2	5*	1	1	12	
AMSTERDAM	236,350	" 24	62	59	21·4	-	1	1	2	-	-	4	
AMSTERDAM	143,300	" 17	-	538	30·3	1	37	17	11	4	11	53	
AMSTERDAM	924,466	" 10	923	654	22·1	-	17	4	17	11	2	46	
AMSTERDAM	1,526,887	" 17	468	268	24·3	-	4	1	11	5	3	14	
AMSTERDAM	675,276	" 17	158	132	25·5	-	-	2	6*	-	-	9	
AMSTERDAM	269,250	" 24	218	189	30·9	-	-	-	5*	1	1	29	
AMSTERDAM	324,143	" 24	253	144	25·1	-	1	2	3*	-	-	26	
AMSTERDAM	298,000	" 24	510	419	26·5	-	23	2	8*	3	1	48	
AMSTERDAM	822,176	" 24	-	175	29·0	1	8	2	4	3	3	5	
AMSTERDAM	314,425	" 17	383	299	33·6	-	3	3	16	-	5	30	
AMSTERDAM	463,017	" 24	90	71	23·1	-	-	-	4*	2	-	1	
AMSTERDAM	160,092	April 26	218	179	23·7	-	11	1	5	-	5†	7	
AMSTERDAM	418,217	" 10	-	-	-	-	-	-	-	-	-	-	
AMSTERDAM	314,827	May 10	62	68	22·7	4	-	-	3*	-	4	4	
AMSTERDAM	156,515	" 8	342	320	44·4	-	-	-	2*	1	27	101	
AMSTERDAM	374,838	" 8	203	172	33·7	3	-	-	2*	2	8	40	
AMSTERDAM	231,396	" 10	-	739	23·9	-	26	8	28	8	3	23	
AMSTERDAM	1,595,547	" 10	-	303	18·4	-	6	2	15	3	1	2	
AMSTERDAM	859,612	" 10	-	367	18·0	-	3	5	5	4	17	1	
AMSTERDAM	1,064,277	" 17	-	199	20·7	-	8	2	1	-	3	13	
AMSTERDAM	500,343	April 26	-	-	-	-	-	-	-	-	-	-	
AMSTERDAM	254,000												

\* Including deaths from croup.

† Including 4 deaths from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, May 31st, 1890.  
[Under the Superintendence of the Astronomer General.]

1890.		Phases of the Moon.	TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose receiving surface is 5 inches above the level of the Ground.	Ozone.										
MONTH AND DAY.	MAX.		Of the Air.		De- parture from the Average of 20 years.	Of the Dew Point.		Difference between the Air Temperature and Dew Point Temperature.		Degree of humidity (Saturation equals 100).	Of Radiation.		Of the Water of the Thames at Deptford.				Osler's.		Robinson's.							
	High- est.		Low- est.	Daily Range.		Mean daily value.	Mean daily value.	Least. est.	Mean est. value.		High- est.	Low- est.	High- est.	Low- est.			General Direction.	Pressure on the Square Foot.		Mean of 24 hourly obs.	Horizontal Movement on each Day.	Vertical Movement on each Day.				
MAY.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.	°						
SUN.	25	..	29.723	70.6	51.0	23.6	64.3	+ 8.4	50.2	14.1	21.0	0.6	60	138.1	44.0	60.6	59.4	ENE.	E. & NE.	lbs. 2.3	lbs. 0.0	330	+ 83	0.0		
MON.	26	First Qr.	29.756	64.2	44.0	20.2	52.8	- 3.3	40.6	12.2	22.0	4.0	63	141.9	37.9	61.1	59.6	NE.	NNE.	1.6	0.0	326	+ 79	0.0		
TUES.	27	..	29.811	64.6	41.1	23.5	52.1	- 4.2	39.2	12.9	23.3	0.0	61	142.0	30.6	61.1	60.6	NNE. & NE.	NNE. & NE.	1.4	0.0	342	+ 95	0.0		
WED.	28	..	29.938	63.1	43.3	19.8	52.0	- 4.5	41.9	10.1	18.8	0.0	69	132.0	34.9	60.6	69.1	N.	NNE. & SW.	1.0	0.0	262	+ 16	0.0		
THURS.	29	In Equator.	29.912	67.1	45.0	22.1	54.7	- 2.1	44.3	10.4	22.4	0.8	68	126.0	37.0	60.5	59.9	WSW. & NNW.	WSW. & NNW.	1.2	0.0	266	+ 20	0.0		
FRI.	30	..	29.816	66.0	44.0	22.0	52.9	- 4.1	44.5	8.4	17.6	0.0	73	119.0	36.0	60.2	59.6	WSW. & NNW.	WSW. & NNW.	3.0	0.0	425	+ 180	0.0		
SAT.	31	..	29.973	60.0	39.5	20.5	49.3	- 8.0	33.1	13.2	22.3	4.4	61	118.1	31.4	59.4	53.9	W. & NNW.	NNW.	1.4	0.0	253	+ 8	0.0		
MEANS	..	..	29.847	65.9	44.0	22.0	54.0	- 2.5	42.4	11.6	21.1	1.4	65	131.0	36.0	60.5	59.7	NE. & NNW.	NE. & NNW.	..	..	Sum 2204	Sum + 431	0.0		
No. of Col.	3	..	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

DATE.		ELECTRICITY.		Registered Sun above Horizon.		GENERAL REMARKS.	
MAX.		(For explanation of symbols, see Note.)		in hours.			
SUNDAY	25	W. P.	13.7	16.0	16.0	Very fine till evening; cloudy afterwards.	
MONDAY	26	W. P. till afternoon; W. N. and W. P. afterwards.	9.8	16.0	16.0	Overcast in early morning; fine and partially cloudy afterwards.	
TUESDAY	27	W. N. and W. P. till evening; m. P. at night.	8.7	16.1	16.1	Fine; cloudless in early morning; partially cloudy till evening; cloudless at night.	
WEDNESDAY	28	W. P. generally	4.7	16.1	16.1	Fine; cloudy.	
THURSDAY	29	W. N. and W. P.	1.8	16.1	16.1	Cloudy; fine.	
FRIDAY	30	W. N. and W. P. till evening; m. P. at night.	4.8	16.2	16.2	Overcast with rain in morning; fine afterwards, but partially cloudy till evening; cloudless at night.	
SATURDAY	31	m. P. in morning; W. N. and W. P. afterwards.	8.4	16.2	16.2	Fine; cloudless in early morning; partially cloudy till evening; cloudless at night.	
Sum			Sum 51.9	Sum 112.7			

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: - P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29 derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 29.82 in. at the beginning of the week to 29.72 in. by 9h. P.M. on the 25th; increased to 29.97 in. by 9h. P.M. on the 28th; decreased to 29.78 in. by 9h. A.M. on the 29th; increased to 29.99 in. by noon on the 31st; and was 29.99 in. at the

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 23. 1890. VOL. LI.]      WEEK ENDING SATURDAY, JUNE 7.      [Price 1½d.

*General Register Office, Somerset House,  
9th June, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18·0 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	May 17.	May 24.	May 31.	June 7.		May 17.	May 24.	May 31.	June 7.
Birkenhead	11·9	21·8	17·4	19·4	Liverpool -	23·5	19·9	19·8	19·5
Birmingham	19·9	17·2	15·5	16·6	London -	17·3	17·1	16·6	16·4
Blackburn -	22·8	21·5	19·4	18·1	Manchester -	35·0	28·0	28·7	28·0
Bolton -	32·4	23·4	22·1	29·3	Newcastle-upon-Tyne	25·9	23·4	25·9	27·2
Bradford -	22·5	18·4	16·3	18·0	Norwich -	20·2	19·1	15·3	17·5
Brighton -	13·1	15·6	17·3	17·7	Nottingham -	15·5	15·8	11·7	15·8
Bristol -	19·1	14·6	15·5	11·0	Oldham -	18·5	17·4	17·1	18·5
Cardiff -	19·2	20·1	13·4	18·3	Plymouth -	17·2	15·9	15·2	13·9
Derby -	24·3	24·8	16·5	20·2	Portsmouth -	16·0	14·6	16·4	16·0
Halifax -	17·8	24·2	23·5	21·0	Preston -	22·3	18·3	23·8	22·3
Huddersfield	16·0	9·4	19·9	17·1	Salford -	20·9	20·2	18·7	22·1
Hull -	17·6	18·8	17·8	14·6	Sheffield -	26·8	22·1	21·5	23·7
Leeds -	23·5	20·2	17·9	20·8	Sunderland -	28·6	26·7	19·5	17·2
Leicester -	16·9	18·6	14·5	11·5	Wolverhampton -	16·9	15·0	16·3	13·1

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·1 in London, 1·3 in Plymouth, 1·6 in Liverpool, and 3·1 in Derby; from *scarlet fever*, 1·4 in Bolton, and 1·5 in Liverpool; and from *whooping-cough*, 1·0 in Derby and in Newcastle-upon-Tyne, and 1·1 in Oldham. The rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 31 deaths from *diphtheria* included 20 in London, and 2 in Salford. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2399 BIRTHS and 1393 DEATHS were registered. Allowing for increase of population, the births were 300, and the deaths 68, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes was 16·4, and showed a still further decline from the low rates in recent weeks. During the past ten weeks of the current quarter the death-rate averaged 17·6 per 1000, and was 1·5 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

The 1393 deaths included 91 from *measles*, 11 from *scarlet fever*, 20 from *diphtheria*, 75 from *whooping-cough*, one from *typhus*, 7 from *enteric fever*, one from an ill-defined form of continued fever, 8 from *diarrhoea* and *dysentery*, one (of

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



an infant) from cholera, and not one from small-pox ; thus, 215 deaths were referred to these diseases, being one below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 16 ; seven cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 94 and 83 in the two previous weeks, increased again last week to 91, exceeding the corrected average by 22 ; 4 belonged to Paddington, 13 to Kensington, 5 to Fulham, 5 to Marylebone, 4 to Pancras, 16 to Islington, 4 to Hackney, 4 to Newington, and 10 to Lambeth sanitary areas. The fatal cases of *scarlet fever*, which had declined from 17 to 14 in the three preceding weeks, further fell last week to 11, being 16 below the corrected average ; 2 belonged to Poplar sanitary area. The Metropolitan Asylum and London Fever Hospitals contained 1133 scarlet-fever patients at the end of last week, the numbers in the two previous weeks having been 1067 and 1089 ; 141 cases were admitted during the week, against 106 in each of the two preceding weeks. The 20 deaths from *diphtheria*, though fewer than the numbers in the four preceding weeks, exceeded the corrected average by 2 ; 2 belonged to Islington and 2 to Bethnal Green sanitary areas, while 2 were of patients in the Children's Hospital at Paddington brought from Willesden, in the Outer Ring. The deaths from *whooping-cough*, which had been 91 and 78 in the two previous weeks, further declined last week to 75, exceeding the corrected average, however, by 22 ; 4 belonged to Kensington, 4 to Pancras, 8 to Islington, 3 to St. Giles, 8 to Shoreditch, 3 to Stepney, 4 to Poplar, and 3 to Bermondsey sanitary areas. The 8 deaths from *diarrhoea*, of which 7 were of children under five years of age, were fewer than the number recorded in any recent week, and were 13 below the corrected average.

The deaths referred to *enteric fever*, which had numbered 8, 6, and 3 in the three preceding weeks, increased again last week to 7, being, however, 3 below the corrected average ; 2 belonged to Pancras and 2 to Battersea sanitary areas. The death from *typhus* occurred in the South-Eastern Hospital at Deptford, and was of a labourer, aged 42 years, who had been admitted to the hospital from 17 (6th block), Barnham Street, Horsleydown. The Metropolitan Asylum Hospitals contained 51 cases of enteric fever, and 3 of typhus, on Saturday last ; 11 cases of enteric fever were admitted during the week, against 5 in each of the two preceding weeks.

The deaths referred to diseases of the respiratory organs were 229, being 18 below the corrected average, and showing a further decline from the numbers in recent weeks.

Different forms of violence caused 50 deaths, concerning all but 3 of which inquests were held. Of these 50 deaths, 12 were cases of suicide, while 38 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 2 (including one of a house-painter from lead-poisoning) by poison, 3 by drowning, and 11 (including 10 of infants aged under one year) by suffocation. The death of a female, aged 33 years, was referred, after inquest, to "mania following administration of nitrous oxide gas" 15 days previously, bronchitis and exhaustion" (*Post mortem*).

#### GREATER LONDON.

In Greater London 3210 births and 1742 deaths were registered, corresponding to annual rates of 29·1 and 15·8 per 1000 of the estimated population. In the Outer Ring 26 deaths from measles and 20 from whooping-cough were recorded. The deaths from measles included 7 in Tottenham, 6 in Croydon, and 4 in Isleworth sub-districts. Six deaths from whooping-cough were registered in the district of Edmonton and 6 in that of West Ham.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during April will be found on pages 233-234.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·83 ins. ; the lowest reading was 29·69 ins. on Wednesday afternoon, and the highest 30·17 ins. at the end of the week. The mean temperature of the *air* was 56°·5, and 1°·5 below

the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Thursday, but was below the average on every other day of the week. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 13·0 miles per hour, which was 2·7 miles above the average in the corresponding weeks of 16 years. *Rain* fell on Wednesday to the amount of 0·31 of an inch. The duration of registered bright sunshine in the week was 25·1 hours, against 27·3 hours at Glyde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of MAY 1890; according to their returns 179,880,869 gallons or 817,281 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 236 gallons (107·2 decalitres), rather more than a *ton* by weight, to each house, and (assuming 7·8 persons to each house) 30·3 gallons (13·8 decalitres) to each person, against 28·7 gallons during May 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	MAY. 1889.	MAY. 1890.	MAY. 1889.	MAY. 1890.
TOTAL SUPPLY . . . .	750,954	762,057	168,223,098	179,830,869
From Thames . . . . .	361,988	367,610	84,305,006	90,013,013
From Lea and from other Sources . . . .	388,966	394,447	83,918,092	89,867,856
THAMES.				
Chelsea . . . . .	34,922	35,370	9,708,123	10,158,615
West Middlesex . . . . .	71,647	73,042	15,766,945	16,570,949
Southwark and Vauxhall . . . . .	110,993	112,134	23,761,013	24,758,404
Grand Junction . . . . .	55,416	56,142	17,295,625	19,720,185
Lambeth . . . . .	89,010	90,922	17,772,400	18,574,909
LEA AND OTHER SOURCES.				
New River . . . . .	152,234	153,288	39,684,000	33,675,000
East London . . . . .	104,686	107,283	41,911,349	43,283,780
Kent . . . . .	72,046	73,876	12,222,743	12,909,976

*Note.*—The Return for May 1890, as compared with that for the corresponding month of 1889, shows an increase of houses, 11,103 and of 11,637,771 gallons of water supplied daily.

## ANALYSIS OF METROPOLITAN WATER SUPPLY DURING MAY.

*Water-analysis Laboratory, The Yews, Reigate,  
4th June, 1890.*

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of May.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0·6, New River 0·7, East London and Tottenham 1·1, Colne Valley 1·5, Grand Junction 1·9, West Middlesex 2·2, Southwark 2·6, Lambeth 2·7, and Chelsea 3·1.\*

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in every case, efficiently filtered, and had a degree of freedom from organic matter nearly equal to that of the high class samples examined in April.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered, and was, in both cases, of a high degree of organic purity.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity. All these waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, all the Thames-derived waters were clear and very pale yellow, whilst the remaining samples were clear and colourless.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "very slightly turbid and greenish blue in a two-foot tube. The organic elements

\* By a printer's error the proportional amount of organic impurity in the April sample of the Chelsea Company's water was stated as 3·3 instead of 2·3.



"were not very materially different from those of the last few months, the nitric nitrogen, however, was considerably larger. The physical characters of the sample were better than usual."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. The hardness was unusually low."

I am, &c.

The Registrar General, &c. &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.		Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.	May 12th, Chelsea . . . { Cab Rank, Horse Guards, Whitehall. }	12°3	25·24	·154	·031	0	·172	·203	1·9	18·9
	West Middlesex	May 12th, { Cab Rank, Portland-road. }	14°0	25·84	·100	·027	0	·184	·211	1·9	19·1
	Southwark . .	May 12th, { Cab Rank, Bricklayers Arms, Old Kent-road. }	13°4	26·84	·120	·032	0	·177	·209	1·9	19·4
	Grand Junction	May 12th, { Cab Rank, Uxbridge-road, near Marble Arch. }	13°2	27·00	·094	·021	0	·174	·195	1·9	20·0
	Lambeth . . .	May 12th, { Cab Rank, St. George's- road, Southwark. }	12°6	27·04	·117	·040	0	·187	·227	1·9	20·0
	LEA.	May 12th, { Cab Rank, Tottenham Court-road. }	13°0	27·64	·027	·015	0	·237	·252	1·8	20·9
	East London	May 12th, { Fire Brigade Station, Commercial-road, E. }	13°5	27·94	·043	·014	0	·214	·228	2·0	20·6
Outer Circle.	DEEP WELLS.	May 12th, { Kent . . . . . { Mill Lane, Deptford. }	12°1	43·70	·025	·008	0	·346	·354	2·6	32·1
	Colne Valley . .	May 27th, { Bushey. }	—	19·84	·070	·018	·009	·386	·411	2·2	10·6
	Tottenham . . .	May 27th, { Tottenham. }	—	40·66	·048	·019	·060	·022	·090	3·0	23·0
Corporation of Birmingham*		May 5th, { 74 & 75, Navigation-street. }	11°1	25·06	·123	·027	·002	·380	·408	1·9	12·0
Corporation of Glasgow†		May 15th, { Loch Katrine Water. }	9°6	2·4	·121	·024	0	·003	·027	·70	0·75
Column 1.		2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 12th May, at the Horse Guards cab-rank, had a temperature of 12°·3 C.; 100,000 lbs. of it contained 25·24 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·154 lb. of carbon and ·031 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·172 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·203 lb. The above weight of water also contained 1·9 lbs. of chlorine; and 18·9 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

CITIES AND BOROUGH.	Registered during the Week ending 7th June, 1860.		POPULATION estimated to the middle of the Year 1860.*		The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.						RAINFALL.									
	BIRTHS.	DEATHS.	1.	2.	3.	Deaths of		Deaths from							Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes of Death.	From All Causes.	From Diseases in Colic, &c.	Mean.		In Inches.	In Centimetres.							
						1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.						Violence.										
Colts.	Colts.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	Highest.	Lowest.	Fahrenheit.	Centigrade.	Mean.	Contingent.	Kabonheit.	21.	22.	23.	24.
28 TOWNS	-	9,715,559	5970	3350	720	683	-	141	56	31	115	21	42	112	235	626	63	18'0	2'2	70'1	35'9	54'1	12'28	0'30	0'76	-	28 TOWNS.			
LONDON	-	4,421,661	2869	1893	285	290	-	91	11	20	75	9	8	50	108	331	9	16'4	2'5	70'1	36'6	56'5	13'61	0'31	0'79	LONDON.				
BRIGHTON	-	123,659	53	42	9	10	-	1	1	1	2	1	-	-	1	10	1	17'7	2'5	64'0	41'0	53'9	12'17	0'61	1'55	BRIGHTON.				
PORTSMOUTH	-	142,062	78	44	13	9	-	-	1	-	-	-	-	-	2	4	1	16'0	0'7	-	-	-	-	-	-	PORTSMOUTH.				
NORWICH	-	95,352	71	32	9	10	-	-	-	-	1	-	2	2	2	3	3	17'5	1'6	-	-	-	-	-	-	NORWICH.				
PLYMOUTH	-	78,780	50	21	4	6	-	2	-	1	1	-	-	-	5	5	3	13'9	2'6	66'8	43'5	54'6	12'56	0'50	1'27	PLYMOUTH.				
BRISTOL	-	232,248	155	49	9	33	-	1	2	-	3	-	1	-	1	13	1	11'0	1'6	64'0	39'0	53'3	11'83	0'11	0'28	BRISTOL.				
WOLVERHAMPTON	-	83,406	64	21	4	8	-	1	-	-	-	-	-	-	5	1	13'1	0'6	68'3	36'4	52'6	11'44	0'16	0'41	WOLVERHAMPTON.					
BIRMINGHAM	-	461,805	297	147	37	32	-	6	6	1	3	1	3	8	12	35	3	16'6	2'3	-	-	-	-	-	-	BIRMINGHAM.				
LEICESTER	-	154,344	117	34	6	12	-	-	1	-	-	-	1	2	3	5	5	11'5	0'7	-	-	-	-	-	-	LEICESTER.				
NOTTINGHAM	-	244,909	140	74	17	23	-	1	-	-	-	-	-	1	4	11	1	15'8	0'2	67'1	35'9	54'0	12'22	0'22	0'56	NOTTINGHAM.				
DERBY	-	100,871	54	39	9	6	-	6	-	1	2	1	-	-	5	4	2	20'2	5'2	-	-	-	-	-	-	DERBY.				
BIRKENHEAD	-	105,049	69	39	9	6	-	-	-	1	-	-	-	1	5	7	2	19'4	0'5	-	-	-	-	-	-	BIRKENHEAD.				
LIVERPOOL	-	613,463	355	229	47	29	-	19	18	1	5	2	2	12	16	42	12	19'5	4'0	66'2	43'8	53'9	12'17	0'40	1'02	LIVERPOOL.				
BOLTON	-	115,846	89	65	6	22	-	-	3	-	-	1	-	2	6	6	1	29'3	1'8	-	-	-	-	-	-	BOLTON.				
MANCHESTER	-	575,437	359	204	54	29	-	2	4	1	5	2	7	7	16	45	7	28'0	2'9	-	-	-	-	-	-	MANCHESTER.				
SALFORD	-	242,509	189	103	18	14	-	1	-	2	2	1	4	2	6	13	3	22'1	2'2	-	-	-	-	-	-	SALFORD.				
OLDHAM	-	146,716	66	52	7	6	-	-	-	-	3	-	-	1	1	3	1	18'5	1'1	-	-	-	-	-	-	OLDHAM.				
BLACKBURN	-	123,553	86	43	8	9	-	-	-	-	-	1	-	2	4	5	1	18'1	0'4	-	-	-	-	-	-	BLACKBURN.				
PRESTON	-	105,163	95	45	8	13	-	-	1	-	-	-	-	-	4	8	1	22'3	0'5	-	-	-	-	-	-	PRESTON.				
HUDDESFIELD	-	94,253	72	31	9	8	-	-	-	-	1	-	1	2	3	-	2	17'1	1'1	-	-	-	-	-	-	HUDDESFIELD.				
HALIFAX	-	82,034	54	33	5	5	-	-	-	-	-	-	1	2	2	5	1	21'0	0'6	-	-	-	-	-	-	HALIFAX.				
BRADFORD	-	240,515	143	83	25	16	-	1	1	-	-	-	4	4	6	7	7	18'0	1'3	65'0	44'8	54'4	12'44	0'17	0'43	BRADFORD.				
LEEDS	-	366,789	254	145	32	36	-	1	2	-	5	1	4	1	11	14	2	20'8	1'9	-	-	-	-	-	-	LEEDS.				
SHEFFIELD	-	332,837	220	151	29	28	-	6	5	-	2	-	1	4	5	10	6	23'7	2'2	-	-	-	-	-	-	SHEFFIELD.				
HULL	-	218,853	142	60	14	17	-	1	-	1	1	-	-	1	4	6	3	14'6	1'0	67'0	39'0	54'0	12'22	0'22	0'56	HULL.				
SUNDERLAND	-	126,506	100	45	6	8	-	-	-	-	3	-	1	1	5	12	1	17'2	0'4	-	-	-	-	-	-	SUNDERLAND.				
NEWCASTLE	-	162,987	134	85	26	14	-	-	-	-	-	-	1	1	5	12	1	27'2	1'3	-	-	-	-	-	-	NEWCASTLE.				
CARDIFF	-	117,012	95	41	15	4	-	1	-	1	1	-	-	2	4	8	1	18'3	1'3	-	-	-	-	-	-	CARDIFF.				
EDINBURGH	-	271,135	156	88	13	26	-	1	-	1	3	1	2	2	1	10	16	16'9	1'5	67'1	39'8	55'3	12'94	0'30	0'76	EDINBURGH.				
GLASGOW	-	530,208	369	278	50	44	-	26	4	-	16	-	7	11	9	39	39	27'3	5'2	65'1	39'2	53'9	12'17	0'57	1'45	GLASGOW.				
DUBLIN	-	353,082	182	145	24	38	-	-	-	1	-	4	4	5	3	59	9	21'4	1'3	63'6	37'7	54'7	12'61	0'46	1'17	DUBLIN.				

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-THIRD Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2736	2858	2476	2608	2098	2464	2476	2781	2430	2523	2698·9	2399
Males . .	1406	1204	1247	1352	1101	1259	1287	1422	1225	1299	1396·0	1231
Females .	1330	1154	1229	1256	997	1205	1189	1359	1205	1224	1302·9	1168
<b>TOTAL Deaths</b>	1294	1346	1369	1400	1458	1315	1277	1414	1219	1306	1461·0	1593
Males . .	675	709	728	725	750	662	666	752	637	675	761·0	733
Females .	619	637	641	675	708	653	611	662	582	631	700·0	660

\* The numbers in this column are the average weekly numbers in the twenty-third weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.
<b>TOTAL Births</b>	2717	2534	2543	2329	2360	2935	2538	2613	2308	2468	2443	2091	2399
<b>TOTAL Deaths</b>	1771	1637	1571	1419	1619	1611	1567	1533	1469	1466	1451	1411	1393
<b>Ages at Death</b>													
{ 0–20 years	776	729	743	657	774	782	742	721	712	707	739	713	667
{ 20–40 "	196	193	204	183	204	177	197	210	170	178	166	186	186
{ 40–60 "	303	296	264	239	275	282	255	227	243	261	235	222	250
{ 60–80 "	464	342	309	285	303	291	313	305	274	257	239	244	235
{ 80 years & upwards	92	77	51	55	58	79	60	70	70	63	72	46	55
<b>" Under 1 year</b>	392	381	366	310	372	356	369	337	360	339	335	349	285
<b>" 1–5</b>	271	270	304	253	298	322	286	294	251	256	307	250	280
<b>" 5–20</b>	113	78	73	94	104	104	87	90	101	102	97	114	102
<b>Deaths from Small-pox</b>	—	—	—	—	—	—	—	1	—	—	1	—	—
" " Measles	35	45	45	35	54	65	61	67	62	70	94	83	91
" " Scarlet fever	18	11	10	8	12	13	17	15	12	17	15	14	11
" " Diphtheria	25	23	30	20	21	17	20	18	25	21	24	25	20
" " Whooping-cough	86	76	101	84	79	106	88	86	99	88	91	73	75
" " Typhus	—	—	—	—	1	—	—	1	—	—	—	1	1
" " Enteric fever	3	7	7	2	4	8	6	6	3	8	6	3	7
" " Simple Cont <sup>d</sup> fever	1	—	1	1	—	—	1	—	—	2	—	—	1
" " Diarrhoea and Dysentery	14	14	13	10	10	11	13	21	11	17	10	10	8
" " Cholera	—	—	—	—	—	—	—	—	—	—	1	—	1
" " all the above-mentioned Diseases	182	176	207	160	181	220	206	215	212	223	242	214	215
" " Dis. of Respiratory System	447	381	375	296	384	380	345	326	301	300	294	259	229
" " Phthisis	164	169	154	180	174	189	154	143	139	154	117	116	138
" " Dis. of Circulatory System	145	148	120	114	151	133	119	140	132	124	121	117	131
<b>Violent Deaths</b>	76	49	61	36	60	41	61	61	62	45	66	64	50
<b>Inquest Cases</b>	162	115	117	85	133	105	125	124	134	100	119	123	103
<b>Deaths in Public Institutions</b>	390	406	377	362	382	338	374	342	326	376	324	328	331
<b>TEMPERATURE OF THE AIR</b>													
Mean	45·3	43·3	49·0	43·8	43·2	46·1	47·1	50·7	52·4	55·3	58·3	54·0	56·5
Mean of Highest readings	54·0	52·0	57·3	54·9	52·0	53·8	56·7	62·2	61·6	67·4	71·0	65·9	67·0
Mean of Lowest readings	37·6	36·0	42·6	33·1	37·0	39·9	40·1	38·9	44·6	45·6	45·6	44·0	43·1
<b>Humidity of the Air</b>	79	82	84	72	72	81	82	67	80	69	65	65	76
<b>Rain-fall in inches</b>	0·24	0·81	0·41	0·00	0·29	0·38	1·00	0·07	0·56	0·56	0·14	0·07	0·31
<b>Registered Sunshine (in hours)</b>	23·1	21·5	14·6	59·8	22·0	27·0	15·9	63·9	14·2	54·0	71·2	51·9	25·1

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-THIRD Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 23rd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 7th June 1890.										CAUSES OF DEATH.	Corrected Averages for the 23rd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 7th June 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.						
			0-1.	1-5.	5-20.						0-1.							1-5.	5-20.				
CAUSES - -	1461.0	1393	285	280	102	186	259	235	55		Diseases of Organs of Special Sense † - - }	3.0	3	1	-	1	1	-	-	-	-	-	-
{ Vaccinated & Unvaccinated No Statement	15.8 }	-	-	-	-	-	-	-	-		Diseases of Circulatory System - - - }	98.5	131	3	1	12	24	41	45	5			
Fever - - -	68.7	91	14	71	6	-	-	-	-		Croup - - -	12.5	9	1	6	2	-	-	-	-	-	-	-
Fever - - -	26.8	11	-	6	5	-	-	-	-		Bronchitis - - -	135.0	129	37	34	2	4	14	33	6			
Fever - - -	0.4	1	-	-	-	-	1	-	-		Pneumonia - - -	79.7	63	11	16	4	11	13	13	-			
Fever - - -	0.0	-	-	-	-	-	-	-	-		Pleurisy - - -	5.6	1	-	-	-	-	-	-	-	-	-	
Fever - - -	0.1	3	-	-	-	1	1	1	-		Other Diseases of Respiratory System - - }	24.0	22	2	4	-	-	5	10	1			
Fever - - -	52.6	75	30	42	3	-	-	-	-		Dentition † - - -	13.0	9	3	6	-	-	-	-	-	-	-	
Fever - - -	18.3	20	2	12	6	-	-	-	-		Quinsy, Sore Throat † -	1.5	7	-	1	2	1	1	2	-	-	-	
Fever - - -	1.7	1	-	-	1	-	-	-	-		Enteritis - - -	5.8	7	3	3	1	-	-	-	-	-	-	
Fever - - -	9.6	7	-	-	2	4	-	1	-		Peritonitis - - -	7.4	8	-	1	2	3	1	1	-	-	-	
Fever - - -	0.8	1	1	-	-	-	-	-	-		Diseases of Liver - - -	31.1	31	2	-	-	8	13	8	-	-	-	
Fever - - -	20.9	8	4	3	-	-	-	1	-		Other Diseases of Digestive System - }	26.5	26	4	2	2	2	5	7	4			
Fever - - -	0.4	-	-	-	-	-	-	-	-		Diseases of Lymphatic System & of Ductless Glands † - - }	2.1	1	-	-	-	1	-	-	-	-	-	
Fever - - -	0.1	-	-	-	-	-	-	-	-		Diseases of Urinary System - - - }	36.9	34	1	1	2	3	9	15	3			
Fever - - -	0.1	-	-	-	-	-	-	-	-		Diseases of Generative System - - - }	6.4	5	-	-	1	2	2	-	-	-	-	
Fever - - -	0.3	-	-	-	-	-	-	-	-		Accidents of Childbirth -	2.5	3	-	-	-	3	-	-	-	-	-	
Fever - - -	8.4	6	3	-	-	2	1	-	-		Diseases of Locomotive System † - - - }	6.6	9	-	2	-	2	1	4	-	-	-	
Fever - - -	5.8	5	1	-	-	-	-	3	1		Diseases of Integumentary System - - }	5.8	5	2	-	2	-	-	1	-	-	-	
Fever - - -	3.1	1	-	-	1	-	-	-	-		VIOLENT DEATHS. §												
Fever - - -	5.7	7	-	-	2	5	-	-	-		(ACCIDENT.)												
Fever - - -	2.4	1	-	-	1	-	-	-	-		Fracture and Contusion	22.6	16	1	2	5	3	3	-	-	2		
Fever - - -	1.7	1	1	-	-	-	-	-	-		Gunshot Wound - - -	0.1	-	-	-	-	-	-	-	-	-	-	
Fever - - -	0.2	-	-	-	-	-	-	-	-		Cut, Stab - - -	0.3	-	-	-	-	-	-	-	-	-	-	
Fever - - -	0.8	1	1	-	-	-	-	-	-		Burn and Scald - - -	4.1	4	-	4	-	-	-	-	-	-	-	
Fever - - -	5.5	10	-	-	-	5	5	-	-		Poison - - -	1.3	2	-	-	-	1	1	-	-	-	-	
Fever - - -	6.6	3	-	-	-	2	1	-	-		Drowning - - -	9.4	3	-	-	3	-	-	-	-	-	-	
Fever - - -	2.4	-	-	-	-	-	-	-	-		Suffocation - - -	11.3	11	10	1	-	-	-	-	-	-	-	
Fever - - -	2.8	7	-	-	-	-	1	5	1		Otherwise - - -	2.4	2	-	-	-	1	1	-	-	-	-	
Fever - - -	4.7	8	1	6	-	-	1	-	-		(HOMICIDE.)												
Fever - - -	53.7	58	-	-	-	9	33	13	4		Murder & Manslaughter	2.3	-	-	-	-	-	-	-	-	-	-	
Fever - - -	24.9	15	12	2	-	-	1	-	-		(SUICIDE.)												
Fever - - -	59.0	29	1	20	7	1	-	-	-		Gunshot Wound - - -	1.4	3	-	-	-	2	1	-	-	-	-	
Fever - - -	163.7	138	2	6	10	61	48	11	-		Cut, Stab - - -	1.9	-	-	-	-	-	-	-	-	-	-	
Fever - - -	21.0	19	6	6	2	-	-	-	-		Poison - - -	1.1	4	-	-	-	2	2	-	-	-	-	
Fever - - -	11.1	13	-	2	-	4	5	2	-		Drowning - - -	1.6	1	-	-	-	1	-	-	-	-	-	
Fever - - -	35.5	36	33	-	-	-	-	-	-		Hanging - - -	2.0	4	-	-	-	2	2	-	-	-	-	
Fever - - -	2.8	1	1	-	-	-	-	-	-		Otherwise - - -	0.4	-	-	-	-	-	-	-	-	-	-	
Fever - - -	5.5	11	10	1	-	-	-	-	-		(EXECUTION.)												
Fever - - -	40.8	50	-	-	-	-	-	25	25		Hanging - - -	0.0	-	-	-	-	-	-	-	-	-	-	
Fever - - -	39.0	37	-	-	1	4	19	11	2		OTHER CAUSES † - -	54.8	41	38	2	-	-	1	2	1			
Fever - - -	7.7	5	-	-	-	1	2	2	-														
Fever - - -	40.3	33	30	6	-	-	-	-	-														
Fever - - -	94.5	75	10	12	10	7	16	20	-														

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. The ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used. These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical attendant, the case is returned under the heading "no statement." The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DYPHTHERIA, WHOOPING-COUGH, TYPHUS, ENTERIC OR TYPHOID FEVER, SIMPLE CONTINUED FEVER, DIARRHŒA, VIOLENCE, INQUEST CASES, during the Week ending

The DEATHS registered in the Week include																		
REGISTRATION		Enu- merated Popu- lation. 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from											Deaths in Public Institutions.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	
LONDON		3,815,704	2399	1393	285	290	-	91	11	20	75	1	7	1	8	50	108	
WEST DISTRICTS.																		
St. Mary Paddington WHH G.J. & W.M.		69888	30	33	6	6	-	2	-	2	2	-	-	-	-	-	2	
St. John Paddington H - - - G.J.		37330	9	11	-	-	-	2	-	1	-	-	-	-	-	1	2	
Kensington Town Ww - - - W.M.		130141	58	41	9	6	-	13	-	-	-	-	-	-	-	-	-	
Brompton H - - - W.M. & C.		43010	8	10	-	-	-	-	-	3	1	-	-	-	1	1	-	
St. Peter Hammersmith - - - W.M.		7599	6	4	3	-	-	-	-	-	-	-	-	-	1	-	-	
St. Paul Hammersmith H W.M. & G.J.		64340	41	13	3	3	-	-	-	-	2	-	-	-	-	-	-	
Fulham Ww - - - W.M. & C.		42900	63	24	2	4	-	5	1	-	-	-	-	-	1	1	-	
Chelsea South HHH - - - C.		30398	23	10	1	3	-	-	-	-	-	-	-	-	-	-	-	
Chelsea North-west WHHHH - C.		24925	20	17	3	1	-	-	-	-	-	-	-	-	1	2	-	
Chelsea North-east - - - C.		32807	20	9	2	-	-	1	-	-	-	-	-	-	-	-	-	
May Fair WW - - - G.J.		30353	3	14	1	6	-	-	-	-	-	-	-	-	-	-	-	
Belgrave WHHH - - - C.		59220	26	21	6	2	-	-	-	-	-	-	-	-	-	2	2	
St. John Westminster HHH - C.		35495	19	6	2	2	-	-	-	-	-	-	-	-	-	-	-	
St. Margaret Westminster H - C.		24679	11	13	1	1	-	-	-	1	-	-	-	-	2	3	-	
St. James Westminster WHH N.R. & G.J.		29941	8	9	3	4	-	-	-	-	1	-	-	-	-	-	-	
St. Anne Soho HHHHHH - N.R.		16808	7	6	1	1	-	1	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																		
All Souls Marylebone HHHHH W.M.		23759	9	11	-	-	-	-	-	-	1	-	-	-	-	1	2	
Clarendon Square HHHH - W.M.		14391	1	2	1	1	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone WH G.J. & W.M.		24890	10	12	1	4	-	1	-	-	-	-	-	-	-	1	2	
St. Mary Marylebone HHH G.J. & W.M.		21118	28	8	2	1	-	-	-	1	-	-	-	-	-	-	-	
Christchurch Marylebone HHH W.M.		33700	19	14	5	2	-	-	-	-	-	-	-	-	-	-	-	
St. John Marylebone H - - - W.M.		33633	13	13	3	4	-	2	-	-	-	-	-	-	1	1	-	
Hampstead Ww HHHH N.R. & W.M.		45452	21	15	2	3	-	1	1	1	-	-	-	-	-	1	1	
Regent's Park Pancras H - - W.M.		39115	18	5	1	-	-	-	-	-	-	1	-	-	-	1	2	
Tottenham-court WHHHH N.R. & W.M.		27729	10	52	3	8	-	-	-	1	-	-	-	-	-	2	3	
Gray's Inn Lane HHH - - - N.R.		30247	29	9	2	1	-	-	-	1	-	-	-	-	-	1	3	
Somers Town H - - - N.R.		34369	25	11	2	1	-	4	-	-	-	-	-	-	-	2	4	
Camden Town WH - - - N.R.		17911	5	12	1	4	-	-	-	-	1	-	-	-	-	1	2	
Kentish Town W - - - N.R.		37457	51	24	3	6	-	-	-	1	2	-	1	-	-	-	-	
Upper Holloway WWWH - - N.R.		67946	47	24	4	8	-	1	-	1	2	-	-	-	-	2	1	
Islington South-west HH - - N.R.		100976	61	82	5	5	-	9	-	-	-	-	-	-	-	2	3	
Islington South-east - - - N.R.		61825	28	22	7	7	-	5	-	-	3	-	-	-	-	-	-	
Highbury H - - - N.R.		52048	32	20	8	2	-	1	-	-	1	-	-	-	1	-	-	
Stoke Newington H - - - N.R.		22781	17	9	2	3	-	-	1	-	1	-	-	-	-	-	-	
Stamford Hill - - - E.L.		9277	6	5	1	2	-	1	-	-	-	-	-	-	-	-	-	
West Hackney H - - - N.R.		37610	20	15	-	4	-	1	-	-	1	-	-	-	-	1	2	
Hackney WwWH - - - E.L. & N.R.		70911	50	34	6	7	-	1	2	2	-	1	-	-	1	2	-	
South Hackney - - - E.L.		39383	16	9	2	-	-	1	-	-	1	-	-	-	-	-	-	
CENTRAL DISTRICTS.																		
St. George Bloomsbury - - - N.R.		14681	3	3	-	1	-	-	-	-	1	-	-	-	-	-	-	
St. Giles South WH - - - N.R.		14884	4	9	3	3	-	-	-	-	-	-	-	-	-	1	1	
St. Giles North - - - N.R.		13887	5	6	1	1	-	-	-	-	1	-	-	-	-	-	-	
St. Martin-in-the-Fields HH N.R. & C.		17509	7	6	2	-	-	1	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand H - - - N.R.		7515	3	4	1	2	-	-	-	-	-	-	-	-	-	-	1	
St. Clement Danes H - - - N.R.		8559	3	4	-	-	-	-	-	-	-	-	-	-	1	-	-	
Strand Union Workhouse, Edmonton w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
St. Geo.-the-Martyr HHHHHH N.R.		16871	10	7	-	2	-	-	-	-	-	-	-	-	-	-	1	
St. Andrew Eastern W - - - N.R.		10706	4	3	1	-	-	-	-	1	-	-	-	-	-	-	-	
Saffron Hill H - - - N.R.		6593	-	3	1	1	-	-	-	-	-	-	-	-	-	-	2	
St. James Clerkenwell - - - N.R.		17616	14	5	2	-	-	-	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell - - - N.R.		19281	8	6	2	-	-	1	-	-	1	-	-	-	-	-	-	
Pentonville - - - N.R.		14773	8	5	1	1	-	-	2	-	-	-	-	-	-	-	-	
Goosewell-street - - - N.R.		17506	13	8	1	1	-	-	-	-	1	-	-	-	-	-	-	
Old-street H - - - N.R.		11541	13	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
City-road HHL - - - N.R.		18623	23	10	5	1	-	-	-	-	1	-	-	-	-	-	-	
Whitecross-street - - - N.R.		3217	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Finsbury - - - N.R.		7438	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Holborn Union Workhouse, Mitcham w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph H - - - N.R. & E.L.		11174	3	2	-	-	-	-	-	-	-	-	-	-	-	1	1	
Cripplegate - - - N.R.		7193	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre H - - - N.R.		5358	2	19	1	2	-	-	-	-	2	-	-	-	-	-	-	
St. Bride W - - - N.R.		8396	5	5	1	1	-	-	-	-	-	-	-	-	-	1	3	
Alhambra Barking - - - N.R.		13666	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street H - - - N.R.		5552	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>v</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishments receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; G. Chuteau; S. S. and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

REGISTRATION		Enume- rated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from													Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 20 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
<b>EAST DISTRICTS.</b>																				
Hitch South† HL*	- N.R.	22348	5	7	2	2	-	-	-	1	-	-	-	-	-	-	-			
New Town w-	- N.R.	29637	15	16	1	1	-	-	1	-	-	-	-	-	-	-	-			
Old Town H	- N.R.	38036	33	8	1	1	-	-	1	-	-	-	-	-	-	-	-			
Boston WH -	N.R. & E.L.	49276	31	35	2	9	-	-	1	-	-	-	-	-	-	-	-			
al Green North H	- E.L.	51187	33	14	7	2	-	-	1	-	-	-	-	-	-	-	-			
al Green South -	- E.L.	34399	17	3	-	-	-	-	-	-	-	-	-	-	-	-	-			
al Green East WHL*	- E.L.	41405	30	14	2	4	-	-	1	2	-	-	-	1	1	1	4			
Fields -	E.L. & N.R.	22685	11	11	6	-	-	-	1	-	-	-	-	-	1	-	-			
End New Town W	- E.L.	15473	16	6	1	1	-	-	-	-	-	-	-	-	-	-	4			
channel Church H	E.L. & N.R.	17490	18	25	2	2	-	-	1	1	-	-	-	3	4	17	-			
nana's Fields -	- E.L.	9713	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
te -	- N.R. & E.L.	6102	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
George's, North -	- E.L.	38747	36	11	2	2	-	-	-	-	-	-	-	-	3	-	-			
hn, St. George East W	- E.L.	8410	8	7	-	2	-	-	1	-	-	-	-	-	1	4	-			
well H -	- E.L. & N.R.	10835	3	7	2	-	-	-	1	-	-	-	-	-	-	-	5			
n -	- E.L.	16107	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-			
house -	- E.L.	32041	19	4	-	2	-	-	-	-	-	-	-	-	-	-	-			
End Old Town West H	- E.L.	37960	21	10	3	3	-	-	-	-	-	-	-	-	1	-	-			
End Old Town East WnewH-E.L.	- E.L.	67653	37	17	3	3	-	-	-	3	-	-	-	-	-	1	-			
* -	- E.L.	37074	30	13	3	1	-	-	1	-	-	-	-	-	2	-	-			
ey view H -	- E.L.	64359	47	31	6	12	-	1	1	-	-	-	-	1	3	11	3			
r WHH -	- E.L.	55077	40	20	2	7	-	-	1	-	-	-	-	-	-	-	-			
<b>SOUTH DISTRICTS.</b>																				
church Southwark WH	L. & S.	13683	8	3	2	1	-	-	-	-	-	-	-	-	-	-	1			
vour Southwark -	- S.	14999	7	3	1	1	-	-	-	-	-	-	-	-	-	-	-			
oad -	- S. & L.	21381	12	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
igh-road WH -	- S. & L.	13353	15	10	3	-	-	-	-	2	-	-	-	-	-	2	-			
in-road HL -	- L. & S.	21318	9	11	2	2	-	1	1	-	-	-	-							

Following WORKHOUSE Establishments were indicated in the above Table of 4 (see note at foot of preceding page) :-

Stepney Workhouse in Kensington Town sub-district.	Stepney Workhouse in Bromley sub-district.
London Sick Asylum, Tottenham Court-road, 11 districts.	Pontiac & Stepney Sick Asylum " "
Barnum Infirmary in Upper Holloway sub-district.	Westminster Union Infirmary in West Kensington sub-district.
London City Workhouse " Hackney sub-district.	St. Saviour's Infirmary in Camberwell sub-district.
" " Hoxton New Town sub-district.	Marjorie's Home for the Sick in Finsbury, Hamstead, Hoxton, Brixton, and St. Paul, Deptford sub-districts, and in Dartford
" Mile End Old Town Eastern sub-dist.	and Edmonton sub-district outside Registration London
" Mile End Old Town Eastern sub-dist.	Strand and Holborn Workhouse outside Registration London.
" " and Bromley sub-district.	

At last April 1890, the registration districts of London and St. George's were united under the name of Shoreditch South.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 7th June, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public
LONDON—OUTER RING		370,924	950,957	811	349	90	67	-	26	4	2	20	2	4	11	18	
30:1	Carshalton wL -	12228	21118	5	3	1	-	-	-	-	-	-	-	-	-	-	-
2	Epsom (part of)* WwH	9971	10710	1	2	1	-	-	-	-	-	-	-	-	-	-	-
37:1	Godstone (part of)* -	3764	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon Ww L -	20851	101241	60	28	7	10	-	6	-	-	2	-	-	-	1	-
2	Mitcham w† -	11697	17932	15	5	2	1	-	-	-	-	-	-	-	-	-	-
39:1	Wimbledon HHH -	3220	15950	7	6	1	1	-	-	-	-	-	-	-	-	-	-
2	Kingston WHH -	8549	36354	20	5	-	3	-	-	-	-	-	-	-	-	-	-
3	Esher (part of)* -	6601	9221	7	2	2	-	-	-	-	-	-	-	-	-	-	-
4	Hampton H -	4573	13539	12	3	-	1	-	-	-	-	-	-	-	-	-	-
40:1	Richmond WH -	2272	21302	11	6	1	1	-	-	-	-	-	-	-	-	-	-
2	Mortlake -	2941	12331	5	3	-	2	-	-	-	-	-	-	-	-	-	-
41:1	Bromley (pt. of)* HH	15669	31142	24	9	2	3	-	-	-	-	-	-	-	-	-	-
2	Chislehurst (pt. of)* WHH	14507	15844	13	1	-	-	-	-	-	-	-	-	-	-	-	-
42:1	Bexley H -	18437	24134	21	11	3	2	-	-	-	-	-	-	1	1	1	-
2	Dartford (Ww, pts. of)*†	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury w -	11055	11684	11	3	-	-	-	-	-	-	-	1	-	-	-	-
2	Staines W -	13277	12089	3	3	1	-	-	2	-	-	-	-	-	-	-	-
125:1	Hillingdon WHH -	6029	10802	10	1	1	-	-	-	-	-	-	-	-	-	-	-
2	Uxbridge -	6178	3225	1	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Hayes wHL -	14887	11528	8	6	1	-	-	2	-	-	-	-	-	-	-	-
126:1	Isleworth WHH -	7008	22727	10	6	-	-	-	4	-	-	-	-	-	-	-	-
2	Twickenham W -	2477	12479	10	2	-	1	-	-	-	1	-	-	-	-	-	-
3	Brentford HL -	4345	27849	11	8	1	3	-	1	-	-	1	-	-	-	-	-
4	Chiswick -	1840	16975	14	7	3	1	-	-	-	-	1	-	-	-	1	-
5	Acton wH -	6068	22876	23	9	1	2	-	-	-	-	-	-	-	2	2	-
127:1	Harrow H -	13809	12796	7	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Edgware H -	6904	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	36	18	6	1	-	1	-	1	2	-	-	-	2	-
4	Hendon W -	8382	10484	12	2	-	-	-	-	-	-	-	-	-	1	1	-
137:1	Bushey -	9331	6621	4	6	1	3	-	-	-	-	1	-	-	-	-	-
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138:1	South Mimms -	15299	6391	4	2	-	1	-	-	-	-	-	-	-	-	-	-
2	Barnet -	6163	10092	6	2	-	1	-	-	-	-	-	-	-	-	-	-
3	Finsbury HL -	4638	17615	18	12	3	-	-	-	-	-	-	-	-	-	-	-
139:1	Hatfield (part of)* -	8306	563	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140:1	Hornsey H -	9039	37073	28	10	1	2	-	-	-	-	2	-	-	-	-	-
2	Tottenham H -	4642	46456	54	27	11	-	-	7	2	-	2	-	2	2	3	-
3	Edmonton Ww -	743	33463	14	17	3	3	-	2	-	-	2	-	-	-	-	-
4	Enfield WH -	12653	19104	18	5	1	1	-	-	-	-	-	-	-	-	-	-
5	Waltham Abbey -	11017	5364	-	1	1	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt -	8490	7735	9	3	1	-	-	-	-	-	-	-	-	-	-	-
146:1	Stratford -	832	33606	25	11	4	1	-	1	-	-	-	-	1	2	2	-
2	West Ham wwh†	4055	90347	113	40	14	7	-	-	-	-	2	-	-	2	3	-
3	East Ham wwh -	3296	10706	18	5	1	-	-	-	-	-	-	-	-	-	-	-
4	Leyton WwL -	4372	32430	52	25	6	8	-	-	-	-	2	1	-	-	1	-
5	Walthamstow H -	5520	28869	40	19	5	4	-	-	1	-	2	-	-	-	-	-
147:1	Chigwell (part of)* H	11761	9689	9	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Epping (W, pt. of)* -	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-
149:1	Romford (part of)* W	6730	3411	4	2	1	-	-	-	-	-	-	-	-	-	-	-
2	Ilford -	4493	7645	11	3	-	1	-	-	1	-	-	-	-	-	-	-
3	Barking Town -	4127	9203	17	5	3	1	-	-	-	-	1	-	-	1	1	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashted and Headley (pop. 1285); 37:1, the parishes of Warrington and Farley in Goddard district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Gidea Park and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chislehurst (pop. 947); 135:1, the parish of Norton in the sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 149:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

|| On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 7th June, 1890.

WATER ONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include													
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from											Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 20 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.				
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.			
ER LONDON	448,334	5,758,500	15·8	2·5	1742	375	357	-	117	15	22	95	11	12	61	361			
ER LONDON	77,410	4,421,001	16·4	2·5	1393	235	290	-	91	11	20	75	9	8	50	331			
ER RING	370,924	1,336,839	13·6	2·3	340	90	67	-	26	4	2	20	2	4	11	30			

—The area of Greater London is 448,334 acres; of which 4,392 acres are tidal water and foreshore. This area is equal to 622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOVIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ATTA -	433,219	April	5	-	323	33·9	47	1	-	-	-	114	45†
AY -	773,196	May	12	-	336	40·4	31	1	-	-	-	141	55†
AS -	398,777	April	25	241	347	19·4	5	8	?	?	?	124	20†
-	398,777	April	25	316	349	45·4	3	12	?	?	?	145	47
-	2,260,945	May	31	1 74	948	21·8	1	50	6	30*	8	10	70
BLE - (Faubourgs.)	477,388	"	31	237	172	18·7	4	1	1	1	-	2	19
BREDAM -	406,302	"	31	277	154	19·7	-	3	-	-	1	-	1
BREDAM -	203,486	"	31	148	82	20·9	-	-	-	-	1	-	2
BLAGUE -	156,497	"	31	108	47	15·6	-	-	-	-	-	-	-
BRAGEN -	312,387	"	31	201	135	22·5	-	8	1	7	-	-	19
BHOLM -	236,350	"	24	188	97	21·3	-	-	2	6*	3	1	10
BHIANIA -	143,300	"	31	62	49	17·8	-	-	1	5	-	-	4
BRESBURG -	924,466	"	24	-	519	29·3	1	32	27	13	3	13	40
B -	1,526,887	"	17	910	665	22·5	1	28	16	25	4	2	42
BURG (State) -	675,276	"	24	423	238	21·6	-	3	-	7*	2	3	9
BEN -	269,250	"	24	159	131	25·8	-	4	-	5*	-	-	13
BLAU -	324,143	"	31	232	171	27·9	-	-	-	3*	-	3	18
BCKE -	298,000	"	31	253	152	26·5	-	2	-	7*	-	-	38
BNA -	822,176	"	31	554	395	25·0	-	22	1	5	1	3	33
BUE -	314,425	"	31	-	187	31·0	1	17	4	3	6	1	5
B-PESTH -	463,017	"	24	312	298	33·5	-	4	3	11	1	5	25
BSTEN -	160,092	"	31	85	67	21·8	1	1	-	1	1	1	4
B -	418,277	"	3	202	155	20·3	-	6	-	5	2	2	12
BW (11 days) -	314,827	April	10	216	201	23·3	1	11	-	3	1	4	16
BCE -	156,515	May	17	78	56	18·7	2	-	-	1	-	1	2
BO -	374,838	"	15	331	318	44·1	-	-	-	1	2	27	93
BANDRIA -	231,396	"	15	178	172	33·7	1	1	-	1	-	9	50
B YORK -	1,596,547	"	17	-	705	22·8	-	37	8	31	4	4	13
BELT -	859,612	"	17	-	304	18·5	-	3	3	23	1	-	2
BADDELPHIA -	1,064,277	"	17	-	375	18·4	-	8	6	9	4	8	1
BIMORE -	500,343	"	24	-	196	20·4	-	3	-	8	-	2	23
B ORLEANS -	254,000	April	26	-	-	-	-	-	-	-	-	-	-

\* Including deaths from croup.

† Including 24 and 26 deaths respectively from cholera in Calcutta, and 1 in Bombay.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 7TH JUNE, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a gauge receiving surfaces 5 inches above Ground.									
MONTH AND DAY.	Phases of the Moon.	BAROMETER.	Of the Air.				Difference between the Air Temperature and Dew Point Temperature.				Of Radiation.		Of the Water at Deptford.		Oiler's.		Robinson's.		Ozone								
			Low. est.	Daily Range.	Mean value.	Dew-point from Average value, 20 years.	Mean Great. est. value.	Mean Little. est. value.	High. Sun's Rays.	Lowest on the Grass.	High. est.	Low. est.	General Direction.	Pressure on the Square Foot.	Horizontal Miles. on each Day.	Vertical Miles. on each Day.	Depar. from the Average of 16 Years.										
JUNE.																											
SUN.	1	in.	29.849	66.7	36.6	30.1	32.5	- 5.0	40.0	12.5	28.6	2.7	62	127.0	23.5	..	WSW. & NW.	WSW. & WSW.	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MON.	2	..	29.708	69.6	49.9	19.7	27.4	- 0.3	48.2	9.2	20.3	0.0	72	123.6	44.0	..	WSW. & WSW.	2.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
TUES.	3	Full.	29.774	64.7	50.0	14.7	58.4	- 1.5	46.2	10.2	17.6	4.2	69	119.4	40.1	..	SW. & SSW.	3.6	0.0	0.3	0.3	0.0	0.0	0.0	0.0	3.8	
WED.	4	..	29.691	59.7	52.6	7.1	55.9	- 2.2	55.3	0.6	2.7	0.0	98	82.2	48.4	..	SSW. & SSW.	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	
THURS.	5	Greatest Dec. S.	29.835	68.8	52.3	16.5	59.6	+ 1.4	54.7	4.9	12.4	0.0	84	123.0	44.0	..	SW. & SSW.	2.8	0.0	0.1	0.1	0.0	0.0	0.0	0.0	1.2	
FRI.	6	Perigee.	29.774	70.1	48.2	21.9	57.6	- 0.7	52.1	5.3	13.8	0.0	82	118.1	39.0	..	SSW. & SW.	2.5	0.0	0.2	0.2	0.0	0.0	0.0	0.0	5.8	
SAT.	7	..	30.137	69.1	46.9	22.2	56.2	- 2.2	43.8	12.4	23.1	0.0	63	130.0	38.0	..	NNW. & N.	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	
MEANS		..	29.833	67.0	48.1	18.9	56.5	- 1.5	48.6	7.9	16.5	1.0	76	117.6	40.3	..	SW.	..	..	..	..	..	..	Sum 0.31	2.7		
No. of Col.	3		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		

The height of the cistern of the barometer is 158 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9 a.m., noon, 3 p.m.; and 9 p.m. The means of the eyes-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: -P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29 derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 29.96 in. at the beginning of the week to 29.73 in. by 3 p.m. on the 4th; increased to 29.88 in. by 9 p.m. on the 5th; decreased to 29.73 in. by 3 p.m. on the 6th; increased to 29.88 in. by 9 p.m. on the 7th.

DATE.		ELECTRICITY.		Sun above Horizon, in hours.		GENERAL REMARKS.	
JUNE.		Registered Sunshine, in hours.	(For explanation of symbols, see Note.)	Sun above Horizon, in hours.			
SUNDAY	1	8.1	m. P. in morning; w. N. between 3 p.m. and 6 p.m.	16.2		Fine; cloudless in morning; partially cloudy afterwards.	
MONDAY	2	1.9	w. P. generally	16.3		Generally cloudy; fine.	
TUESDAY	3	2.5	w. P. generally, with w. N. between 3 p.m. and 6 p.m.	16.3		Cloudy; fine at times.	
WEDNESDAY	4	0.0	w. P.	16.3		Overcast generally; frequent rain till evening.	
THURSDAY	5	2.2	w. P.	16.4		Overcast in morning; partially cloudy and fine in afternoon; afterwards overcast.	
FRIDAY	6	1.8	w. P. throughout	16.4		Overcast till afternoon; fine and partially cloudy till evening; cloudless at night.	
SATURDAY	7	8.6	w. P. in morning; w. N. till evening; w. P. at night.	16.4	Sum 114.3	Fine; cloudless in morning; partially cloudy during day; cloudless at night.	

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

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General Register Office, Somerset House,  
16th June, 1890.]

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17·2 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	May 24.	May 31.	June 7.	June 14.		May 24.	May 31.	June 7.	June 14.
Birkenhead	21·8	17·4	19·4	17·9	Liverpool -	19·9	19·8	19·5	20·7
Birmingham	17·2	15·5	16·6	17·2	London -	17·1	16·6	16·4	16·2
Blackburn -	21·5	19·4	18·1	17·7	Manchester -	28·0	28·7	28·0	26·2
Bolton -	23·4	22·1	29·3	20·7	Newcastle-on-Tyne	23·4	25·9	27·2	21·1
Bradford -	18·4	16·3	18·0	17·1	Norwich -	19·1	15·3	17·5	14·2
Brighton -	15·6	17·3	17·7	10·5	Nottingham -	15·8	11·7	15·8	9·6
Bristol -	14·6	15·5	11·0	11·5	Oldham -	17·4	17·1	18·5	17·8
Cardiff -	20·1	13·4	18·3	12·9	Plymouth -	15·9	15·2	13·9	23·8
Derby -	24·8	16·5	20·2	14·0	Portsmouth -	14·6	16·4	16·0	19·3
Halifax -	24·2	23·5	21·0	20·3	Preston -	18·3	23·8	22·3	16·9
Huddersfield	9·4	19·4	17·1	14·9	Salford -	20·2	18·7	22·1	18·5
Hull -	18·8	17·8	14·6	15·1	Sheffield -	22·1	21·5	23·7	21·0
Leeds -	20·2	17·9	20·8	17·9	Sunderland -	26·7	19·5	17·2	19·5
Leicester -	18·6	14·5	11·5	13·2	Wolverhampton -	15·0	16·3	13·1	22·5

The highest annual death-rates, measured by last week's mortality, were :—from *measles*, 1·2 in London, 1·6 in Birmingham, and 1·8 in Liverpool; from *scarlet fever*, 1·1 in Manchester and 1·3 in Wolverhampton; from *whooping-cough*, 1·0 in Derby and in Newcastle-upon-Tyne, and 1·4 in Bolton; and from "*fever*," 1·5 in Birkenhead. The 33 deaths from *diphtheria* included 24 in London, 3 in Manchester, 2 in Salford, and 2 in Liverpool. One death from *small-pox* was recorded in Plymouth.

## LONDON.

In LONDON 2477 BIRTHS and 1375 DEATHS were registered. Allowing for increase of population, the births were 205, and the deaths 40, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had declined in the nine preceding weeks from 19·1 to 16·4, further fell last week to 16·2. During the past eleven weeks of the current quarter the death-rate averaged 17·5 per 1000, being 1·4 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1375 deaths included 100 from *measles*, 11 from *scarlet fever*, 24 from *diphtheria*, 59 from *whooping-cough*, 11 from *enteric fever*, one from an ill-defined

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



form of continued fever, 15 from diarrhoea and dysentery, and not one from small-pox, typhus, or cholera ; thus, 221 deaths were referred to these diseases, exceeding the corrected average weekly number by 9.

No death from *small-pox* was registered, the corrected weekly average being 17 ; seven cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The 100 deaths from *measles* showed a further increase on the high numbers in recent weeks, and exceeded the corrected average by 41. The fatal cases of *scarlet fever*, which had declined from 17 to 11 in the four preceding weeks, were again 11 last week, being 15 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1153 scarlet-fever patients at the end of last week, the numbers in the three preceding weeks having increased from 1067 to 1133 ; 104 cases were admitted during the week, against 106 and 141 in the two previous weeks. The deaths from *diphtheria*, which had been 25 and 20 in the two previous weeks, increased again last week to 24, exceeding the corrected average by 5. The deaths from *whooping-cough*, which had fluctuated in the eight preceding weeks between 106 and 75, declined further last week to 59, still exceeding the corrected average, however, by 9. The 15 deaths from *diarrhoea*, though exceeding the numbers in the three preceding weeks, were scarcely more than half the corrected average ; 6 were of children under one year of age, and 6 of persons aged 60 years and upwards.

The deaths referred to *enteric fever*, which had been 3 and 7 in the two previous weeks, further increased last week to 11. The Metropolitan Asylum Hospitals contained 47 cases of enteric fever, and 2 of typhus, on Saturday last ; 4 cases of enteric fever were admitted during the week, against 5 and 11 in the two previous weeks.

The deaths attributed to diseases of the respiratory organs, which had steadily declined in the nine preceding weeks from 384 to 229, slightly increased last week to 240, exceeding the corrected average by 15.

Different forms of violence caused 36 deaths, concerning all but 3 of which inquests were held. Of these 36 deaths, 4 were cases of suicide, one of murder or manslaughter, and one of execution, while the remaining 30 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 2 by poison, 3 by drowning, and 4 (including 3 of infants aged under one year) by suffocation. The deaths of two painters, aged 21 and 65 years respectively, were referred to "plumbism." The cause of death of a female, aged 11 years, who died in the Evelina Hospital, Southwark Bridge Road, was returned, after inquest, as "syncope consequent upon the administration " of chloroform, accidental " (*post mortem*).

#### GREATER LONDON.

In Greater London 3259 births and 1742 deaths were registered, corresponding to annual rates of 29·5 and 15·8 per 1000 of the estimated population. In the Outer Ring 20 deaths from measles and 15 from whooping-cough were recorded. The deaths from measles included 9 in Tottenham and 4 in Croydon sub-districts ; three deaths from whooping-cough occurred in Tottenham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·80 ins. ; the lowest reading was 29·44 ins. on Wednesday afternoon, and the highest 30·21 ins. at the end of the week. The mean temperature of the *air* was 56°·6, and 2°·1 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Monday and Tuesday, but was below the average during the remainder of the week. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 8·7 miles per hour, which was 1·8 miles below the average in the corresponding weeks of 16 years. *Rain* fell on six days of the week to the aggregate amount of 0·76 of an inch. The duration of registered bright sunshine in the week was 23·4 hours, against 30·6 hours at Glynde Place, Lewes.

CITIES AND BOROUGHS.	POPULATION and the middle of the year 1860.*	Registered during the Week ending 14th June, 1860.			The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGHS.				
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Deaths of Persons aged 60 Years and upwards.			Deaths from							Mean.	Centigrade.	Inches.	In Cent.								
					Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.					Unrecorded Causes of Death.							
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.	
28 TOWNS -	9,715,559	5672	3199	684	719	1	148	51	33	93	36	39	108	202	576	54	17.2	2.2	75.4	38.0	54.2	12.33	0.77	1.96	- 28 TOWNS.	
LONDON -	4,421,661	2477	1375	297	316	-	100	11	24	59	12	15	36	87	324	9	16.2	2.6	75.4	42.6	56.6	13.67	0.76	1.93	LONDON.	
BRIGHTON -	123,650	53	25	-	9	-	-	-	1	1	1	-	3	3	6	-	10.5	1.3	68.0	46.8	55.1	12.88	0.52	1.32	BRIGHTON.	
PORTSMOUTH -	142,952	86	53	19	-	-	-	-	-	-	2	-	3	4	13	-	10.3	0.7	-	-	-	-	-	-	PORTSMOUTH.	
NORWICH -	95,352	76	26	7	7	-	-	-	1	1	2	-	-	1	5	-	14.2	1.1	-	-	-	-	-	-	NORWICH.	
PLYMOUTH -	78,780	44	36	3	13	1	-	1	-	1	1	-	1	3	8	-	23.8	2.0	70.8	51.0	57.2	14.00	1.17	2.97	PLYMOUTH.	
LIVERPOOL -	232,248	142	51	10	21	-	-	-	-	1	1	1	1	2	7	2	11.5	0.4	68.0	42.0	53.8	12.11	0.97	2.46	BRISTOL.	
WOLVERHAMPTON -	83,406	56	36	7	8	-	-	2	-	1	-	-	2	3	8	-	22.5	1.9	68.9	40.0	52.5	11.39	0.61	1.55	WOLVERHAMPTON.	
BIRMINGHAM -	461,805	248	152	39	36	-	14	2	-	-	-	4	5	7	22	2	17.2	2.3	-	-	-	-	-	-	BIRMINGHAM.	
LEICESTER -	154,344	91	39	11	11	-	-	-	-	-	-	-	2	3	3	1	13.2	0.0	-	-	-	-	-	-	LEICESTER.	
NOTTINGHAM -	244,909	115	45	10	14	-	1	-	-	-	1	2	4	3	2	4	9.6	0.4	70.2	43.2	54.2	12.33	0.21	0.53	NOTTINGHAM.	
DURBY -	100,871	68	27	5	8	-	1	-	-	2	1	-	-	5	-	-	14.0	2.1	-	-	-	-	-	-	DURBY.	
BIRKENHEAD -	105,049	64	36	8	5	-	-	-	-	1	3	-	1	3	4	1	17.9	2.0	-	-	-	-	-	-	BIRKENHEAD.	
LIVERPOOL -	613,463	329	244	60	36	-	21	10	2	6	2	1	16	20	83	12	20.7	3.6	67.6	40.1	55.2	12.89	0.92	2.34	LIVERPOOL.	
LONDON -	115,846	75	46	8	11	-	-	2	-	3	-	2	-	-	-	-	20.7	3.2	-	-	-	-	-	-	LONDON.	
MANCHESTER -	379,437	279	191	30	36	-	3	8	3	3	1	4	2	10	34	2	26.2	3.0	-	-	-	-	-	-	MANCHESTER.	
SALFORD -	242,609	157	86	16	9	-	1	3	2	3	1	1	2	4	13	2	18.5	2.4	-	-	-	-	-	-	SALFORD.	
OLDHAM -	146,716	75	50	7	17	-	-	-	-	2	-	-	-	2	1	17.8	0.7	-	-	-	-	-	-	-	OLDHAM.	
BLACKBURN -	123,553	82	42	8	9	-	-	-	-	-	1	-	2	2	5	2	17.7	0.4	-	-	-	-	-	-	BLACKBURN.	
PRESTON -	105,163	68	34	7	8	-	-	-	-	-	1	1	1	2	6	1	16.9	1.0	-	-	-	-	-	-	PRESTON.	
HUDDERSFIELD -	94,253	38	27	5	5	-	-	-	-	1	1	-	1	5	4	3	14.9	1.1	-	-	-	-	-	-	HUDDERSFIELD.	
HALIFAX -	92,634	45	32	7	5	-	-	2	-	-	-	-	-	-	6	-	20.3	1.3	-	-	-	-	-	-	HALIFAX.	
BRADFORD -	240,615	121	79	16	17	-	1	1	-	2	4	2	2	4	10	3	17.1	2.2	69.4	41.5	53.5	11.94	1.13	2.87	BRADFORD.	
LEEDS -	363,799	259	125	32	26	-	-	1	-	1	1	2	7	12	11	2	17.9	0.7	-	-	-	-	-	-	LEEDS.	
SHEFFIELD -	332,837	199	134	27	31	-	5	4	-	1	-	-	4	5	12	5	21.0	1.6	-	-	-	-	-	-	SHEFFIELD.	
HULL -	213,883	129	62	14	13	-	-	1	-	1	1	2	3	3	10	2	15.1	1.2	68.0	38.0	53.1	11.72	0.51	1.30	HULL.	
SUNDERLAND -	134,506	84	51	12	13	-	1	2	-	-	-	1	1	3	7	6	10.5	1.5	-	-	-	-	-	-	SUNDERLAND.	
NEWCASTLE -	162,987	131	66	21	10	-	-	1	-	3	2	1	2	5	10	-	21.1	2.2	65.0	43.0	50.3	10.17	0.94	2.30	NEWCASTLE.	
CARDIFF -	117,012	31	29	7	6	-	-	-	-	1	1	1	1	3	4	7	1	12.9	1.3	-	-	-	-	-	-	CARDIFF.
EDINBURGH -	271,135	141	86	11	21	-	1	-	2	2	1	6	3	?	25	19	16.9	2.3	70.4	36.5	54.1	12.28	1.55	3.94	EDINBURGH.	
GLASGOW -	230,208	374	269	57	36	-	24	1	2	14	3	5	7	?	33	31	25.5	4.8	72.0	47.3	56.7	13.72	0.65	1.65	GLASGOW.	
DUBLIN -	363,062	175	171	38	45	-	-	-	-	5	4	3	5	5	44	29	25.3	1.8	67.3	48.7	57.5	14.17	0.34	0.61	DUBLIN.	

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-FOURTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2368	2480	2493	2477	2805	2375	2287	2513	2399	2396	2681·8	2477
Males . .	1187	1277	1213	1275	1463	1212	1155	1226	1260	1201	1359·7	1298
Females .	1181	1203	1280	1202	1342	1163	1132	1287	1139	1195	1322·1	1179
<b>TOTAL Deaths</b>	1243	1403	1335	1279	1450	1284	1182	1390	1167	1247	1415·4	1375
Males . .	661	730	665	658	762	666	623	709	628	635	734·6	721
Females .	582	673	670	621	688	618	559	681	539	612	680·8	654

\* The numbers in this column are the average weekly numbers in the twenty-fourth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.
<b>TOTAL Births</b> - -	2534	2543	2329	2360	2935	2538	2613	2303	2468	2443	2091	2399	2477
<b>TOTAL Deaths</b> - -	1637	1571	1419	1619	1611	1567	1533	1469	1466	1451	1411	1393	1375
<b>Ages at</b> { 0-20 years -	729	743	657	774	782	742	721	712	707	739	713	667	658
{ 20-40 " -	193	204	183	204	177	197	210	170	178	166	186	186	172
{ 40-60 " -	296	264	239	275	282	255	227	243	261	235	222	250	229
<b>Death</b> { 60-80 " -	342	309	285	308	291	313	305	274	257	239	244	285	247
{ 80 years & upwards	77	51	55	58	79	60	70	70	63	72	46	55	69
" { Under 1 year -	381	366	310	372	356	369	337	360	339	335	349	285	297
{ 1-5 -	270	304	253	298	322	286	294	251	266	307	250	230	267
{ 5-20 -	78	73	94	104	104	87	90	101	102	97	114	102	94
<b>Deaths from Small-pox</b> -	-	-	-	-	-	-	1	-	-	1	-	-	-
" " Measles -	45	45	35	54	65	61	67	62	70	94	83	91	100
" " Scarlet fever -	11	10	8	12	13	17	15	12	17	15	14	11	11
" " Diphtheria -	23	30	20	21	17	20	18	25	21	24	25	20	24
" " Whooping-cough -	76	101	84	79	106	88	86	99	88	91	78	75	59
" " Typhus -	-	-	-	1	-	-	1	-	-	-	-	1	-
" " Enteric fever -	7	7	2	4	8	6	6	3	8	6	3	7	11
" " Simple Cont <sup>d</sup> fever -	-	1	1	-	-	1	-	-	2	-	-	1	1
" " Diarrhœa and } Dysentery - }	14	13	10	10	11	13	21	11	17	10	10	8	15
" " Cholera -	-	-	-	-	-	-	-	-	-	1	-	1	-
" " all the above- } mentioned Diseases }	176	207	160	181	220	206	215	212	223	242	214	215	221
" " Dis. of Respira- } tory System }	381	375	296	384	380	345	326	301	300	294	259	229	240
" " Phthisis -	169	154	180	174	189	154	143	139	154	117	116	138	138
" " Dis. of Circula- } tory System }	148	120	114	151	133	119	140	132	124	121	117	131	122
<b>Violent Deaths</b> - -	49	61	36	60	41	61	61	62	45	66	64	50	96
<b>Inquest Cases</b> - -	115	117	85	133	105	125	124	134	100	119	123	109	87
<b>Deaths in Public Institutions</b>	406	377	362	382	333	374	342	326	376	324	328	331	324
<b>TEMPERATURE OF THE AIR</b>													
Mean -	48·9	49·0	43·8	43·2	46·1	47·1	50·7	52·4	55·3	58·3	54·0	56·5	56·6
Mean of Highest readings -	52·0	57·3	54·9	52·0	53·8	56·7	62·2	61·6	67·4	71·0	65·9	67·0	67·9
Mean of Lowest readings -	36·0	42·6	33·1	37·0	39·9	40·1	38·9	44·6	45·6	45·6	44·0	48·1	48·1
<b>Humidity of the Air</b> - -	82	84	72	72	81	82	67	80	69	65	65	76	81
<b>Rain-fall in inches</b> - -	0·81	0·41	0·00	0·29	0·38	1·00	0·07	0·56	0·56	0·14	0·07	0·31	0·76
<b>Registered Sunshine (in hours)</b>	21·5	14·6	59·8	22·0	27·0	15·9	63·9	14·2	54·0	71·2	51·9	25·1	28·4

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsborough, Esq., F.R.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-FOURTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 24th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 14th June 1890.							CAUSES OF DEATH.	Corrected Averages for the 24th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 14th June 1890.								
		Deaths of Persons of the Ages									Deaths of Persons of the Ages								
		ALL AGES.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.			Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
		0-1.	1-6.	5-20.						0-1.	1-6.	5-20.							
ALL CAUSES - -	1415.4	1375	297	267	94	172	229	247	69	Diseases of Organs of Special Sense † - - }	2.3	2	-	-	2	-	-	-	
Small-pox { Vaccinated† - - - - - Unvaccinated - - - - - No Statement - - - - -	18.8	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - - }	94.1	122	2	1	8	19	39	43	6
Measles - - - - -	59.0	109	17	74	9	-	-	-	-	Croup - - - - -	11.6	7	3	2	2	-	-	-	-
Scarlet Fever - - - - -	26.1	11	1	7	3	-	-	-	-	Bronchitis - - - - -	112.5	103	33	23	1	1	11	24	5
Erysiphus - - - - -	0.4	-	-	-	-	-	-	-	-	Pneumonia - - - - -	73.7	97	15	23	9	13	17	14	1
Relapsing Fever † - - - - -	0.0	-	-	-	-	-	-	-	-	Pleurisy - - - - -	4.0	6	-	-	1	-	3	2	-
Infuenza - - - - -	0.0	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - - }	23.4	27	7	5	-	-	5	9	1
Whooping-cough - - - - -	50.4	59	20	37	2	-	-	-	-	Dentition † - - - - -	12.7	8	6	2	-	-	-	-	-
Diphtheria - - - - -	18.5	24	-	15	8	1	-	-	-	Quinsy, Sore Throat † - - - }	3.1	1	-	1	-	-	-	-	-
Simple Continued and Ill-defined Fever - }	1.3	1	-	-	-	-	1	-	-	Enteritis - - - - -	7.3	13	4	5	1	2	1	-	-
Enteric Fever - - - - -	10.5	11	1	1	6	3	-	-	-	Peritonitis - - - - -	5.5	5	-	-	2	2	1	-	-
Cholera - - - - -	0.8	-	-	-	-	-	-	-	-	Diseases of Liver - - - - -	32.0	20	1	-	-	3	6	9	1
Diarrhoea, Dysentery - - - - -	23.6	15	6	1	-	-	2	5	1	Other Diseases of Digestive System - }	28.7	25	4	4	1	3	1	12	-
Remittent Fever † - - - - -	0.3	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - - - }	1.1	1	-	-	-	1	-	-	-
Hydrophobia - - - - -	0.2	-	-	-	-	-	-	-	-	Diseases of Urinary System - - - }	34.9	41	-	2	-	4	20	13	2
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Generative System & of Childbirth - - - }	5.9	5	-	-	-	2	3	-	-
Cowpox and Effects of Vaccination † - - }	0.0	-	-	-	-	-	-	-	-	Accidents of Childbirth - - - }	4.4	3	-	-	-	2	1	-	-
Venereal Affections - - - - -	8.8	8	6	1	-	1	-	-	-	Diseases of Locomotive System † - - - }	8.7	6	1	-	4	-	-	1	-
Erysipelas - - - - -	4.6	6	1	1	-	2	1	1	-	Diseases of Integumentary System - - - }	4.9	5	1	1	-	1	1	-	1
Zyemia and Septicæmia † - - - - -	2.4	1	-	1	-	-	-	-	-	VIOLENT DEATHS.‡									
Periperal Fever - - - - -	3.0	5	-	-	1	4	-	-	-	(ACCIDENT.)									
Other Zymotic Diseases † - - - - -	2.7	1	-	1	-	-	-	-	-	Fracture and Contusion - - - }	19.6	17	-	2	4	5	2	3	1
Thrush - - - - -	2.0	2	2	-	-	-	-	-	-	Gunshot Wound - - - - -	0.0	-	-	-	-	-	-	-	-
Worms and other Parasitical Diseases - }	0.2	-	-	-	-	-	-	-	-	Cut, Stab - - - - -	0.1	-	-	-	-	-	-	-	-
Starvation, Want of Breast-milk † - - }	0.7	1	-	1	-	-	-	-	-	Burn and Scald - - - - -	4.5	2	-	2	-	-	-	-	-
Alcoholism - - - - -	6.9	11	-	-	-	2	8	1	-	Poison - - - - -	1.1	2	-	-	-	1	-	1	-
Rheumatic Fever, Rheumatism of Heart† }	0.0	7	-	-	2	1	3	1	-	Drowning - - - - -	9.3	3	-	-	1	-	2	-	-
Rheumatism † - - - - -	10.5	2	-	-	-	1	1	-	-	Suffocation - - - - -	8.7	4	3	-	1	-	-	-	-
Gout - - - - -	3.2	2	-	-	-	1	-	-	1	Otherwise - - - - -	2.5	2	2	-	-	-	-	-	-
Rickets † - - - - -	5.7	6	4	2	-	-	-	-	-	(HOMICIDE.)									
Cancer - - - - -	51.5	47	-	1	-	5	16	21	4	Murder & Manslaughter - - }	1.7	1	-	-	-	-	1	-	-
Tabes Mesenterica - - - - -	22.7	23	13	6	3	1	-	-	-	(SUICIDE.)									
Tubercular Meningitis - - - - -	27.7	24	2	18	3	1	-	-	-	Gunshot Wound - - - - -	0.8	1	-	-	-	1	-	-	-
Phthisis - - - - -	163.6	133	2	2	11	63	48	7	-	Cut, Stab - - - - -	1.5	1	-	-	-	-	1	-	-
Scrofula, Tuberculosis - - - - -	17.1	12	3	7	-	2	-	-	-	Poison - - - - -	2.0	1	-	-	-	-	-	-	-
Other Constitutional Diseases † - - }	9.3	6	-	-	1	-	2	3	-	Drowning - - - - -	1.5	1	-	-	-	-	-	-	-
Fracture of Femur - - - - -	37.0	40	40	-	-	-	-	-	-	Hanging - - - - -	2.4	1	-	-	-	1	-	-	-
Atelectasis † - - - - -	3.2	1	1	-	-	-	-	-	-	Otherwise - - - - -	0.4	1	-	-	-	-	-	-	-
Congenital Malformations - }	6.0	3	2	-	1	-	-	-	-	(EXECUTION.)									
Old Age - - - - -	46.9	55	-	-	-	-	-	21	34	Hanging - - - - -	0.0	1	-	-	-	1	-	-	-
Apoplexy - - - - -	41.1	41	1	-	-	-	10	27	3	OTHER CAUSES † - - - - -	54.6	53	50	4	1	-	2	1	-
Epilepsy - - - - -	8.4	4	-	1	1	1	1	-	-										
Convulsions - - - - -	15.7	30	27	2	1	-	-	-	-										
Other Diseases of Brain and Nervous System † - - }	84.4	37	11	11	4	11	20	22	8										

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																			
		Numera- rated Popu- lation 1881	Total Births.	Deaths of		Deaths from														Deaths in Public Institutions.	Unrecorded Causes
REGISTRATION SUB-DISTRICTS.				Total Deaths.	Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euterie or Typhoid Fever.	Simple con- tained Fever.	Diarrhoea.	Violence.	Inquest Cases.				
LONDON		3,815,704	2477	1375	297	316	-	100	11	24	59	-	11	1	15	36	87	324			
WEST DISTRICTS		669,693	859	239	72	63	-	31	3	4	3	-	2	-	2	4	11	78			
NORTH DISTRICTS		905,947	549	259	52	69	-	21	2	8	8	-	2	1	7	5	16	53			
CENTRAL DISTRICTS		982,288	163	97	21	11	-	4	-	-	7	-	1	-	1	3	7	31			
EAST DISTRICTS		692,738	522	271	57	67	-	15	-	5	13	-	1	-	1	5	23	65			
SOUTH DISTRICTS		1,593,148	894	458	95	108	-	29	5	7	28	-	5	-	4	19	30	93			
METROPOLITAN ASYLUM FOR FETTERS OUTSIDE REGISTRATION		-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1			
LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WEST DISTRICTS.																					
St. Mary Paddington WHH G.J. & W.M.		69898	87	35	14	5	-	7	1	-	-	-	-	-	-	-	2	6			
St. John Paddington H - - G.J.		37330	8	10	-	2	-	1	-	-	-	-	-	-	-	1	1	4			
Kensington Town Ww - - W.M.		120141	68	59	14	11	-	10	-	-	1	-	-	-	-	-	2	17			
Brompton H - - W.M. & C.		49010	14	12	4	3	-	2	-	-	-	-	-	-	-	-	-	1			
St. Peter Hammersmith - - W.M.		7899	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Paul Hammersmith H W.M. & G.J.		64340	40	18	4	4	-	1	2	-	-	2	-	-	1	2	8	-			
Fulham Ww - - W.M. & C.		42900	77	37	11	9	-	3	1	-	-	-	2	-	-	-	-	-			
Chelsea South HHH - - D.		20396	17	15	4	4	-	1	-	-	1	-	-	-	-	-	-	1			
Chelsea North-west WHHHH C.		24925	4	25	4	10	-	2	-	-	-	-	-	-	1	1	1	16			
Chelsea North-east - - C.		32807	20	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-			
May Fair WW - - G.J.		80353	5	6	-	4	-	-	-	-	-	-	-	-	1	-	-	5			
Belgrave WHHH - - C.		59220	81	26	7	5	-	3	-	-	1	-	-	-	-	1	2	9			
St. John Westminster HHH - C.		35496	13	16	4	3	-	2	-	-	-	-	-	-	-	-	1	2			
St. Margaret Westminster H - C.		24879	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	4			
St. James Westminster WHH N.R. & G.J.		29941	13	7	3	2	-	-	-	-	-	-	-	-	-	-	-	1			
St. Anne Soho HHHHHH - N.R.		18608	4	7	1	-	-	-	-	1	-	-	-	-	-	-	-	4			
NORTH DISTRICTS.																					
All Souls Marylebone HHHHH W.M.		26789	8	8	1	1	-	1	-	1	-	-	-	-	-	1	1	6			
Cavendish Square HHHH - W.M.		14891	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
Rectory Marylebone WHH G.J. & W.M.		24809	13	7	1	1	-	2	-	-	-	-	-	-	-	-	-	1			
St. Mary Marylebone HHH G.J. & W.M.		21118	27	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-			
Christchurch Marylebone HHH W.M.		33700	19	8	2	1	-	1	-	-	-	1	1	-	-	1	-	-			
St. John Marylebone H - W.M.		33638	16	7	2	3	-	-	-	-	-	-	-	-	-	-	-	-			
Hampstead WwHHHHH N.R. & W.M.		45452	26	11	1	1	-	1	1	-	-	-	-	-	-	-	1	2			
Regent's Park Paneras H - W.M.		39115	17	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-			
Tottenham-court WHHHH N.R. & W.M.		27729	18	6	1	1	-	-	-	1	-	-	-	-	-	-	-	2			
Gray's Ina Lane HHH - N.R.		30247	17	6	3	-	-	1	-	-	-	-	-	-	-	-	-	-			
Somers Town H - N.R.		34369	31	15	5	2	-	2	-	-	2	-	-	-	-	1	-	-			
Camden Town WH - N.R.		17811	9	6	1	1	-	-	-	-	1	-	-	-	-	-	1	2			
Kentish Town W - N.R.		87487	65	25	6	5	-	1	-	1	-	-	-	-	-	-	-	2			
Upper Holloway WWWH - N.R.		67946	33	28	5	11	-	-	-	-	-	1	-	2	-	-	-	16			
Islington South-west HH - N.R.		100976	37	22	7	4	-	3	-	-	-	-	-	-	-	-	2	1			
Islington South-east - N.R.		61825	33	13	5	4	-	-	-	-	1	1	-	2	-	-	2	-			
Highbury H - N.R.		52048	23	18	3	9	-	1	-	-	-	-	-	1	2	3	-	-			
Stoke Newington H - N.R.		22781	17	5	1	1	-	2	-	-	1	-	-	-	-	-	-	-			
Stamford Hill - E.L.		9277	6	3	1	-	-	-	-	-	-	-	-	-	-	1	1	-			
West Hackney H - N.R.		37610	24	12	3	3	-	3	-	-	2	-	-	-	-	1	1	1			
Hackney WwWHH - E.L. & N.R.		76911	59	36	3	15	-	1	1	6	-	-	-	1	-	-	1	20			
South Hackney - E.L.		39983	26	6	1	-	-	1	-	-	-	-	-	-	-	-	-	-			
CENTRAL DISTRICTS.																					
St. George Bloomsbury - N.R.		16881	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Giles South WH - N.R.		14864	59	7	-	1	-	1	-	-	-	-	-	-	-	-	-	-			
St. Giles North - N.R.		18887	1	3	-	-	-	-	-	-	-	-	-	-	-	-	1	4			
St. Martin-in-the-Fields HH N.R. & C.		17508	4	8	1	1	-	1	-	-	-	-	-	-	-	-	-	2			
St. Mary-le-Strand H - N.R.		7515	6	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-			
St. Clement Danes H - N.R.		8559	-	5	-	-	-	-	-	-	1	-	-	-	-	-	1	2			
Strand Union Workhouse, Edmonton w.		-	1	2	1	1	-	-	-	-	-	-	-	-	-	-	-	2			
St. Geo.-the-Martyr HHHHHH N.R.		18971	11	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. Andrew Eastern W - N.R.		10706	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	5			
Saffron Hill H - N.R.		6583	1	4	2	1	-	-	-	-	1	-	-	-	-	-	-	-			
St. James Clerkenwell - N.R.		17516	13	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
Amwell Clerkenwell - N.R.		19281	12	5	3	-	-	-	-	-	-	3	-	-	-	-	-	-			
Pentonville - N.R.		14773	4	6	2	1	-	-	-	-	-	-	-	-	-	-	1	-			
Goswell-street - N.R.		17606	7	4	2	1	-	1	-	-	-	-	-	-	-	-	-	-			
Old-street H - N.R.		11541	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
City-road HHL - N.R.		18628	23	3	2	-	-	1	-	-	-	-	-	-	-	-	-	-			
Whitecross-street - N.R.		9217	5	3	2	-	-	-	-	-	1	-	-	-	-	-	-	-			
Finsbury - N.R.		7463	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Holborn Union Workhouse, Mitcham. w.		-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-			
St. Botolph H - N.R. & E.L.		11174	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1			
Cripplegate H - N.R.		7193	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Sepulchre H - N.R.		8358	-	10	1	2	-	-	-	-	-	-	-	-	-	-	-	18			
St. Bride W - N.R.		8396	4	3	-	2	-	-	-	-	-	-	-	-	-	2	2	-			
Albion Barking - N.R.		18666	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street H - N.R.		9532	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—J. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

The DEATHS registered in the Week include:																		
REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of				Deaths from										
				Infants under 1 Year of Age.	Persons aged 15 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Dysentery.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes of Death.
<b>EAST DISTRICTS.</b>																		
Beddington North <i>HL*</i>	-	-	N.R.	22848	11	10	2	2	-	-	-	1	-	-	-	-	2	1
Beddington South <i>w</i>	-	-	N.R.	22887	16	12	3	3	-	-	-	1	-	-	-	-	1	2
Beddington New Town <i>w</i>	-	-	N.R.	28036	51	14	3	5	3	-	-	1	-	-	-	-	3	1
Beddington Old Town <i>w</i>	-	-	N.R.	28036	51	14	3	5	3	-	-	1	-	-	-	-	3	1
Beddington West <i>WH</i>	-	-	N.R. & E.L.	46275	39	19	1	6	3	-	-	1	-	-	-	-	1	6
Beddington Green North <i>H</i>	-	-	E.L.	51187	39	9	2	1	-	-	-	-	-	-	-	-	-	-
Beddington Green South <i>w</i>	-	-	E.L.	34389	32	8	2	1	-	-	-	-	-	-	-	-	-	-
Beddington Green East <i>WHL*</i>	-	-	E.L.	41405	29	15	2	1	-	-	-	-	-	-	-	-	1	7
Beddington Fields <i>w</i>	-	-	E.L. & N.R.	22585	20	6	1	-	3	-	-	-	-	-	-	-	1	1
Beddington End New Town <i>W</i>	-	-	N.R.	18473	24	8	1	3	1	-	-	-	-	-	-	-	1	4
Beddington Chapel Church <i>H</i>	-	-	E.L. & N.R.	17490	15	21	7	1	-	-	1	1	-	-	-	1	2	14
Beddington Man's Fields <i>w</i>	-	-	E.L.	9713	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Beddington Gate <i>w</i>	-	-	N.R. & E.L.	6102	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Beddington George's, North <i>w</i>	-	-	E.L.	38747	41	13	5	1	1	-	-	1	-	-	-	-	1	1
Beddington John, St. George East <i>W</i>	-	-	E.L.	8410	9	6	-	1	-	-	1	-	-	-	-	-	1	2
Beddington Well <i>H</i>	-	-	E.L. & N.R.	10895	4	9	1	2	1	-	-	-	-	-	-	1	2	3
Beddington W <i>w</i>	-	-	E.L.	16107	7	5	2	2	-	-	-	-	-	-	-	-	-	-
Beddington House <i>w</i>	-	-	E.L.	33041	17	10	5	-	-	-	1	2	-	-	-	-	-	-
Beddington End Old Town West <i>H</i>	-	-	E.L.	37980	56	22	3	7	-	-	-	1	-	1	-	-	2	-
Beddington End Old Town East <i>WwH</i>	-	-	E.L.	67653	43	21	5	4	-	-	-	1	-	-	1	-	1	4
Beddington L <i>w</i>	-	-	E.L.	37074	28	13	5	6	1	-	-	-	-	-	-	-	-	2
Beddington W <i>w</i>	-	-	E.L.	64359	49	34	4	10	-	-	-	-	-	-	-	2	3	19
Beddington W <i>WH</i>	-	-	E.L.	55077	39	15	3	5	2	-	2	1	-	-	-	1	1	-
<b>SOUTH DISTRICTS.</b>																		
Beddington Church Southwark <i>WH</i>	L. & S.	13663	2	5	-	1	-	-	-	-	-	-	-	-	-	1	1	-
Beddington Lavender Southwark <i>w</i>	S.	14999	8	6	2	2	1	-	-	-	2	-	-	-	-	-	-	-
Beddington Road <i>w</i>	S. & L.	21881	13															

[illegible]



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 14th June, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes.
LONDON—OUTER RING		370,924	950,957	782	367	82	99	-	20	12	13	15	12	4	12	21	46	
80:1	Carshalton <i>wL</i> -	12228	21118	12	21	2	10	-	-	-	-	-	-	-	2	2	13	
2	Epsom ( <i>part of</i> )* <i>WwH</i>	9971	10710	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
37:1	Godstone ( <i>part of</i> )* -	2764	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i> -	20851	101241	58	35	5	11	-	4	-	-	1	-	-	-	1	8	
2	Mitcham <i>w†</i> -	11697	17932	15	5	2	1	-	1	-	-	-	-	-	-	1	-	
39:1	Wimbledon <i>HHH</i> -	3230	15950	6	6	2	1	-	-	-	-	-	-	-	-	1	-	
2	Kingston <i>WHH</i> -	8549	38354	30	18	3	5	-	-	-	-	1	-	-	-	-	3	
3	Esher ( <i>part of</i> )* -	6601	9221	7	2	1	1	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4373	18589	5	1	-	-	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i> -	2272	21302	14	9	-	5	-	-	-	-	-	-	-	-	-	3	
2	Mortlake -	2941	12331	7	11	1	4	-	1	-	-	-	-	-	1	1	-	
41:1	Bromley ( <i>pt. of</i> )* <i>HH</i>	16669	81142	29	6	1	-	-	-	-	-	-	-	-	-	-	-	
2	Chislehurst ( <i>pt. of</i> )* <i>WHH</i>	14507	15844	3	9	3	3	-	1	-	-	1	-	-	-	-	2	
42:1	Bexley <i>H</i> -	12437	24134	17	4	-	1	-	-	-	-	-	-	-	-	-	-	
2	Dartford ( <i>Ww, pts. of</i> )*†	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	2	
124:1	Sunbury <i>w</i> -	11055	11685	5	3	-	2	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12089	4	3	-	-	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	9	6	2	2	-	-	-	-	-	-	-	1	3	1	
2	Uxbridge -	6178	3225	2	2	-	2	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14537	11623	-	3	1	-	-	2	-	-	1	-	-	-	-	-	
126:1	Isleworth <i>WHH</i> -	7008	22727	12	6	3	-	-	-	-	-	1	-	-	-	-	1	
2	Twickenham <i>M</i> -	2477	12479	11	5	1	2	-	1	-	1	-	-	-	-	-	-	
3	Brentford <i>HL</i> -	4845	27649	23	6	3	-	-	-	-	-	-	-	-	-	-	-	
4	Chiswick -	1340	15975	7	3	-	1	-	-	-	-	-	-	-	-	-	-	
5	Acton <i>wH</i> -	6068	22376	10	5	1	2	-	-	-	-	-	-	-	-	-	-	
127:1	Harrow <i>H</i> -	13809	12796	14	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i> -	6994	3749	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4883	27483	36	16	4	5	-	-	-	-	1	-	1	-	1	-	
4	Hendon <i>W</i> -	8382	10484	6	7	2	-	-	-	-	-	-	-	-	1	1	-	
137:1	Bushy -	9331	6621	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W, pt. of</i> )* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138:1	South Mimms -	15199	6391	7	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5433	10092	9	4	1	-	-	-	-	-	-	-	1	1	1	1	
3	Finchley <i>HL</i> -	4638	17615	13	5	1	1	-	-	-	-	-	-	-	-	-	4	
139:1	Hatfield ( <i>part of</i> )* -	3906	583	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
122:1	Hornsey <i>H</i> -	3039	37078	29	19	2	6	-	-	-	-	1	-	-	-	1	-	
2	Tottenham <i>H</i> -	4642	46456	59	29	6	4	-	9	1	-	3	1	-	-	1	1	
3	Edmonton <i>Ww</i> -	7453	23463	27	10	3	3	-	-	-	-	-	-	-	-	-	3	
4	Enfield <i>WH</i> -	12653	19104	18	5	1	1	-	-	-	-	-	-	-	-	-	-	
5	Waltham Abbey -	11017	5368	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8490	7735	6	1	-	1	-	-	-	-	-	-	-	-	-	-	
136:1	Stratford -	832	38405	23	19	3	5	-	-	-	-	1	-	-	3	3	-	
2	West Ham <i>wvH</i> -	4055	90347	102	29	10	7	-	-	-	-	1	-	-	2	3	-	
3	East Ham <i>wv</i> -	3226	10706	16	8	2	1	-	-	-	-	-	-	-	1	1	-	
4	Leyton <i>WwL</i> -	4372	32430	38	19	5	7	-	-	-	1	2	1	-	-	-	3	
5	Walthamstow <i>H</i> -	6530	23859	33	13	5	2	-	2	-	-	1	-	2	-	-	-	
137:1	Chigwell ( <i>part of</i> )* <i>H</i>	11761	9689	7	2	2	-	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W, pt. of</i> )* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford ( <i>part of</i> )* <i>W</i>	6730	3411	1	2	-	1	-	-	-	-	-	-	-	-	-	1	
2	Ilford -	8493	7645	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Barking Town -	4127	9203	17	3	2	1	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37: 1, the parishes of Warringham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 127: 2, Watford, and 137: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5).

§ On 1st January the two parishes of East Ham and Little Wood were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 14th June, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
ATER LONDON	448,334	5,758,500	15·8	2·4	1742	379	415	-	120	13	26	74	14	19	48	370		
INNER LONDON -	77,410	4,421,651	16·2	2·6	1375	297	316	-	100	11	24	59	12	15	36	324		
UTER RING -	370,924	1,336,839	14·3	1·8	367	82	99	-	20	2	2	15	2	4	12	46		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 64·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.									
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.			
CUTTACK	433,219	April 19	-	345	41·5	33	1	-	-	1	123	47†			
CHENNAI	773,196	May 27	-	-	-	-	-	-	-	-	-	-			
COCHIN	398,777	" 2	336	349	45·4	3	13	?	?	?	137	37			
COLOMBO	2,260,945	June 7	1471	936	21·5	1	69	9	23*	14	12	70			
GENEVA	477,288	" 7	258	187	21·0	2	7	1	-	5	1	12			
(8 Faubourgs.)															
AMSTERDAM	406,302	" 7	240	180	23·0	-	4	1	5	1	2	3			
BRUSSELS	203,486	" 7	144	74	18·9	-	-	-	-	2	-	-			
THE HAGUE	156,497	" 7	119	54	17·9	-	-	-	-	-	-	-			
COPENHAGEN	312,387	" 7	183	148	24·7	-	11	1	9	7	1	8			
STOCKHOLM	236,350	May 31	141	92	20·2	-	-	6	4*	1	-	15			
CHRISTIANIA	143,300	June 7	56	53	19·2	-	-	1	3	-	2	8			
PETERSBURG	924,466	May 31	-	488	27·5	2	30	24	6	3	14	52			
PARIS	1,526,887	" 24	891	646	21·8	-	17	4	33	9	1	90			
BERLIN (State)	675,276	" 31	397	234	21·2	-	10	-	7*	1	1	-			
BERLIN (City)	269,250	" 31	108	96	18·5	1	7	-	4*	-	-	8			
BOLOGNA	324,143	June 7	212	170	27·8	-	-	3	13*	2	-	9			
BONNE	298,000	" 7	215	174	30·4	-	3	-	6*	2	-	38			
BREMEN	822,176	" 7	576	400	25·3	2	22	1	8	3	2	29			
BUDAPEST	314,425	" 7	-	163	27·0	1	9	2	3	2	1	1			
DUBLIN	463,017	May 31	332	310	34·8	-	1	2	11	1	2	51			
EDINBURGH	160,092	June 7	115	76	24·7	-	-	-	2*	2	-	6			
FRANKFURT	418,217	May 10	213	159	19·8	-	6	-	4	2	2†	8			
FRANKFURT (10 days)	314,827	April 20	237	203	23·5	2	5	1	4	2	3	23			
FRANKFURT (10 "	314,827	April 30	205	212	24·5	3	5	-	1	3	1	20			
FRANKFURT (10 "	156,515	May 24	74	58	19·3	2	-	-	1	-	2	6			
GENOA	374,398	" 29	323	302	41·9	-	1	-	2*	3	25	104			
ALEXANDRIA	231,396	" 29	137	183	41·1	-	1	-	-	-	12	47			
NEW YORK	1,596,547	" 24	-	751	24·3	-	30	6	26	4	1	20			
BROOKLYN	859,612	" 24	-	295	17·9	-	4	1	15	4	-	2			
PHILADELPHIA	1,064,277	" 24	-	337	16·5	-	1	1	10	4	8	5			
BALTIMORE	500,343	" 31	-	229	23·8	-	2	-	4	1	2	45			
NEW ORLEANS	254,000	April 26	-	-	-	-	-	-	-	-	-	-			

\* Including deaths from croup.

† Including 27 deaths from cholera in Calcutta.

‡ Malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 14th JUNE, 1890.  
[Under the Superintendence of the Astronomer Royal.]

[illegible]

# WEEKLY RETURN

OF

## BIRTHS AND DEATHS IN LONDON

AND IN

### TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationery Office,*  
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 25. 1890. VOL. LI.]      WEEK ENDING SATURDAY, JUNE 21.      [Price 1½d.

*General Register Office, Somerset House,  
23rd June, 1890.*

#### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17·9 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	May 31.	June 7.	June 14.	June 21.		May 31.	June 7.	June 14.	June 21.
Birkenhead	17·4	19·4	17·9	14·9	Liverpool - -	19·8	19·5	20·7	21·9
Birmingham	15·5	16·6	17·2	18·6	London - -	16·6	16·4	16·2	16·4
Blackburn -	19·4	18·1	17·7	18·1	Manchester -	28·7	28·0	26·2	29·0
Bolton -	22·1	29·3	20·7	23·9	Newcastle-on-Tyne	25·9	27·2	21·1	25·6
Bradford -	16·3	18·0	17·1	18·4	Norwich -	15·3	17·5	14·2	20·2
Brighton -	17·3	17·7	10·5	11·8	Nottingham -	11·7	15·8	9·6	12·6
Bristol -	15·5	11·0	11·5	13·7	Oldham -	17·1	18·5	17·8	19·2
Cardiff -	13·4	18·3	12·9	14·3	Plymouth -	15·2	13·9	23·8	22·5
Derby -	16·5	20·2	14·0	15·5	Portsmouth -	16·4	16·0	19·3	18·6
Halifax -	23·5	21·0	20·3	19·1	Preston -	23·8	22·3	16·9	16·9
Huddersfield	19·4	17·1	14·9	18·8	Salford -	18·7	22·1	18·5	19·4
Hull -	17·8	14·6	15·1	15·9	Sheffield -	21·5	23·7	21·0	24·4
Leeds -	17·9	20·8	17·9	14·9	Sunderland -	19·5	17·2	19·5	20·2
Leicester -	14·5	11·5	13·2	14·9	Wolverhampton -	16·3	13·1	22·5	16·3

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·2 in London, 1·3 in Plymouth, 1·6 in Derby, 2·3 in Liverpool, and 2·6 in Birmingham; from *scarlet fever*, 1·0 in Birkenhead, 1·1 in Manchester, and 1·3 in Liverpool; from *whooping-cough*, 1·0 in Derby; and from "*fever*," 1·3 in Plymouth. The 32 deaths from *diphtheria* included 19 in London, 3 in Derby, 3 in Salford, and 2 in Liverpool. *Small-pox* caused one death in Derby and one in Hull.

#### LONDON.

In LONDON 2516 BIRTHS and 1387 DEATHS were registered. Allowing for increase of population, the births were 200, and the deaths 29, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had steadily declined in the ten preceding weeks from 19·1 to 16·2, was 16·4 last week. During the past twelve weeks of the current quarter the death-rate averaged 17·4 per 1000, being 1·3 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1831; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1387 deaths included 99 from measles, 15 from scarlet fever, 19 from diphtheria, 66 from whooping-cough, 6 from enteric fever, one from an ill-defined form of continued fever, 24 from diarrhœa and dysentery, 2 from cholera and choleraic diarrhœa, and not one from small-pox or typhus; thus, 232 deaths were referred to these diseases, exceeding the corrected average weekly number by 5.

No death from *small-pox* was registered, the corrected weekly average being 18; 7 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles* numbered 99, being fewer by only one than the high number in the preceding week, and exceeding the corrected average by 36. The fatal cases of *scarlet fever*, which had been 11 in each of the two previous weeks, increased last week to 15, but were 10 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1196 scarlet-fever patients at the end of last week, the numbers in the two previous weeks having been 1133 and 1153; 143 cases were admitted during the week, against 141 and 104 in the two previous weeks. The deaths from *diphtheria*, which had been 20 and 24 in the two preceding weeks, were 19 last week, and exceeded the corrected average by 2. The deaths from *whooping-cough*, which had declined in the four preceding weeks from 91 to 59, increased again last week to 66, exceeding the corrected average by 16. The 24 deaths from *diarrhœa* exceeded by 9 the number in the previous week, but were 15 below the corrected average; 19 were of children under five years of age. The death of an infant, aged 5 months, was attributed to "choleraic diarrhœa, 2 days," and that of a fitter, aged 48 years, to "English cholera, 4 days."

The deaths referred to *enteric fever*, which had increased from 3 to 11 in the three previous weeks, declined again last week to 6. The Metropolitan Asylum Hospitals contained 52 cases of enteric fever, and 5 of typhus, on Saturday last; 14 cases of enteric fever, and 4 of typhus, were admitted during the week.

The deaths attributed to diseases of the respiratory organs, which had been 229 and 240 in the two previous weeks, were 215 last week, exceeding the corrected average by 2.

Different forms of violence caused 54 deaths, concerning all but 3 of which inquests were held. Of these 54 deaths, 8 were cases of suicide, and one of murder, while the remaining 45 were attributed to accident or negligence. Nine of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 6 by drowning, and 9 (including 8 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3333 births and 1765 deaths were registered, corresponding to annual rates of 30·2 and 16·0 per 1000 of the estimated population. In the Outer Ring 34 deaths from measles, 10 from whooping-cough, and 6 from diarrhœa were recorded. The deaths from measles included 11 in Tottenham, 3 in Edmonton, and 6 in Croydon sub-districts. Two deaths were referred to diphtheria in Wimbledon, and 2 in Tottenham sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·96 ins.; the highest reading was 30·21 ins. at the beginning of the week, and the lowest 29·79 ins. on Tuesday afternoon. The mean temperature of the *air* was 59°·3, and 0°·7 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Monday, and corresponded with the average on Wednesday, but was below the average on the other days of the week. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 10·1 miles per hour, which was very slightly above the average in the corresponding weeks of 16 years. *Rain* fell on three days of the week to the aggregate amount of 0·38 of an inch. The duration of registered bright sunshine in the week was 29·3 hours, against 28·4 hours at Glynde Place, Lewes.

**The DEATHS registered in the Week include**

\* See note on first page of this Return.



**TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-FIFTH Week of each of the Eleven Years, 1880–90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2492	2504	2398	2513	2615	2419	2617	2182	2534	2636	2716·3	2516
Males . .	1285	1264	1267	1317	1307	1255	1321	1078	1277	1353	1337·5	1295
Females .	1207	1240	1131	1196	1308	1164	1296	1104	1257	1283	1323·8	1221
<b>TOTAL Deaths</b>	1273	1399	1387	1333	1371	1279	1222	1237	1190	1243	1415·9	1387
Males . .	687	742	750	681	716	681	657	657	609	659	745·8	718
Females .	586	657	637	652	655	598	565	630	581	584	670·1	669

\* The numbers in this column are the average weekly numbers in the twenty-fifth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.
<b>TOTAL Births</b> - -	2543	2399	2360	2935	2533	2613	2308	2468	2443	2091	2399	2477	2516
<b>TOTAL Deaths</b> - -	1571	1419	1619	1611	1567	1533	1469	1466	1451	1411	1393	1375	1387
<b>Ages at</b> {													
0–20 years	743	657	774	782	742	721	712	707	739	713	667	658	672
20–40 "	204	183	204	177	197	210	170	178	166	186	186	172	177
40–60 "	264	239	275	282	255	227	243	261	235	222	250	229	239
<b>Death</b> {													
60–80 "	309	285	308	291	313	305	274	257	239	244	235	247	243
80 years & upwards	51	55	58	79	60	70	70	63	72	46	55	69	51
<b>"</b> {													
Under 1 year	366	310	372	356	369	337	360	339	335	349	285	297	318
1–5	304	253	298	322	286	294	251	266	307	250	280	267	262
5–20	73	94	104	104	87	90	101	102	97	114	102	94	92
<b>Deaths from Small-pox</b> - -	-	-	-	-	-	1	-	-	1	-	-	-	-
" " Measles - -	45	35	54	65	61	67	62	70	94	83	91	100	99
" " Scarlet fever - -	10	8	12	13	17	15	12	17	15	14	11	11	15
" " Diphtheria - -	30	20	21	17	20	18	25	21	24	25	20	24	19
" " Whooping-cough - -	101	84	79	106	88	86	99	88	91	73	75	59	66
" " Typhus - -	-	-	1	-	-	1	-	-	-	1	1	-	-
" " Enteric fever - -	7	2	4	8	6	6	3	8	6	3	7	11	6
" " Simple Cont <sup>a</sup> fever - -	1	1	-	-	1	-	-	2	-	-	1	1	1
" " Diarrhœa and } Dysentery - }	13	10	10	11	13	21	11	17	10	10	8	15	21
" " Cholera - -	-	-	-	-	-	-	-	-	1	-	1	-	2
" " all the above- } mentioned Diseases }	207	160	181	220	206	215	212	223	242	214	215	221	232
" " Dis. of Respira- } tory System }	375	296	384	380	345	326	301	300	294	259	229	240	215
" " Phthisis - -	154	180	174	189	154	143	139	154	117	116	138	133	131
" " Dis. of Circula- } tory System }	120	114	151	133	119	140	132	124	121	117	131	122	120
<b>Violent Deaths</b> - -	61	36	60	41	61	61	62	45	66	64	50	86	54
<b>Inquest Cases</b> - -	117	85	133	105	125	124	134	100	119	123	109	87	86
<b>Deaths in Public Institutions</b>	377	362	332	333	374	342	326	376	324	328	331	327	316
<b>TEMPERATURE OF THE AIR</b>													
Mean - -	49·0	43·8	43·2	46·1	47·1	50·7	52·4	55·3	53·3	54·0	56·5	56·6	59·3
Mean of Highest readings - -	57·3	54·9	52·0	53·8	56·7	62·2	61·6	67·4	71·0	65·9	67·0	67·9	70·9
Mean of Lowest readings - -	42·6	33·1	37·0	39·9	40·1	38·9	44·6	45·6	44·0	43·1	48·1	48·1	49·8
<b>Humidity of the Air</b> - -	84	72	72	81	82	67	80	69	65	65	76	81	76
<b>Rain-fall in inches</b> - -	0·41	0·00	0·29	0·38	1·00	0·07	0·56	0·56	0·14	0·07	0·31	0·76	0·33
<b>Registered Sunshine (in hours)</b>	14·6	59·8	22·0	27·0	15·9	63·9	14·2	54·0	71·2	51·9	25·1	28·4	29·3

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. B. Sawyer, Esq., F.S.A., Brighton; John Merrifield Esq., L.L.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. B. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-FIFTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 25th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 21st June 1890.										CAUSES OF DEATH.	Corrected Averages for the 25th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 21st June 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.						
			0-1.	1-5.	5-20.						0-1.							1-5.	5-20.				
ALL CAUSES - -	1415.9	1387	318	262	92	177	239	248	51	Diseases of Organs of Special Sense † - -	2.4	2	-	-	1	1	-	-	-				
Small-pox { Vaccinated† - - - - -	18.3	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - - - -	100.1	120	3	2	9	15	43	44	4				
Unvaccinated - - - - -		-	-	-	-	-	-	-	-	Croup - - - - -	9.7	4	-	4	-	-	-	-	-				
No Statement - - - - -	-	-	-	-	-	-	-	-	-	Bronchitis - - - - -	103.4	103	29	19	1	2	15	35	7				
Measles - - - - -	62.8	99	20	75	4	-	-	-	-	Pneumonia - - - - -	63.5	83	19	28	4	7	16	7	2				
Scarlet Fever - - - - -	25.4	15	2	9	4	-	-	-	-	Pleurisy - - - - -	4.9	4	1	1	-	1	-	-	-				
Typhus - - - - -	0.8	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - - - - -	23.0	16	1	5	1	-	6	2	1				
Relapsing Fever † - - - - -	0.0	-	-	-	-	-	-	-	-	Dentition † - - - - -	11.5	12	4	8	-	-	-	-	-				
Influenza - - - - -	0.1	2	-	-	-	-	1	1	-	Quinsy, Sore Throat † - - - - -	1.7	4	-	-	1	1	-	-	-				
Whooping-cough - - - - -	50.4	63	22	41	2	-	1	-	-	Enteritis - - - - -	9.9	9	4	1	-	-	-	-	-				
Diphtheria - - - - -	16.9	19	1	11	6	-	1	-	-	Peritonitis - - - - -	6.5	10	-	2	-	6	1	1	-				
Simple Continued and Ill-defined Fever - - - - -	0.9	1	1	-	-	-	-	-	-	Diseases of Liver - - - - -	23.0	27	3	-	-	5	11	8	-				
Enteric Fever - - - - -	10.8	6	-	1	2	1	2	-	-	Other Diseases of Digestive System - - - - -	27.9	28	4	-	1	3	8	11	1				
Cholera - - - - -	1.5	2	1	-	-	-	1	-	-	Diseases of Lymphatic System & of Ductless Glands † - - - - -	3.4	4	-	-	1	1	1	1	-				
Diarrhoea, Dysentery - - - - -	89.1	24	15	4	-	2	3	-	-	Diseases of Urinary System - - - - -	36.4	36	-	-	1	10	9	15	1				
Remittent Fever † - - - - -	0.1	-	-	-	-	-	-	-	-	Diseases of Generative System - - - - -	6.7	6	-	-	-	3	2	1	-				
Hydrophobia - - - - -	0.1	-	-	-	-	-	-	-	-	Accidents of Childbirth - - - - -	4.8	9	-	-	1	7	1	-	-				
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - - - -	7.0	8	-	-	2	1	1	3	1				
Cowpox and Effects of Vaccination † - - - - -	0.4	-	-	-	-	-	-	-	-	Diseases of Integumentary System - - - - -	5.7	5	3	-	-	-	1	1	-				
Venerical Affections - - - - -	10.1	7	6	-	-	-	1	-	-	VIOLENT DEATHS.‡													
Erysipelas - - - - -	3.9	5	1	-	-	1	2	1	-	(ACCIDENT.)													
Pyæmia and Septicæmia † - - - - -	2.8	3	-	-	1	1	-	1	-	Fracture and Contusion - - - - -	20.0	24	1	2	5	4	3	7	2				
Puerperal Fever - - - - -	6.2	5	-	-	-	5	-	-	-	Gunshot Wound - - - - -	0.0	-	-	-	-	-	-	-	-				
Other Zymotic Diseases † - - - - -	2.4	4	2	-	1	-	1	-	-	Cut, Stab - - - - -	0.3	1	-	-	-	-	-	1	-				
Thrush - - - - -	2.4	3	3	-	-	-	-	-	-	Burn and Scald - - - - -	2.7	2	-	-	-	-	-	-	1				
Worms and other Parasitical Diseases - - - - -	0.3	-	-	-	-	-	-	-	-	Poison - - - - -	1.4	-	-	-	-	-	-	-	-				
Starvation, Want of Breast-milk † - - - - -	1.5	1	1	-	-	-	-	-	-	Drowning - - - - -	8.1	6	-	-	1	3	2	-	-				
Alcoholism - - - - -	6.1	10	-	-	-	4	5	1	-	Suffocation - - - - -	10.5	9	8	-	-	1	-	-	-				
Rheumatic Fever, Rheumatism of Heart† - - - - -	5.8	9	-	-	5	2	1	1	-	Otherwise - - - - -	2.8	3	1	-	-	1	-	1	-				
Rheumatism † - - - - -	2.0	1	-	-	-	-	1	-	-	(HOMICIDE.)													
Gout - - - - -	2.9	1	-	-	-	-	-	1	-	Murder & Manslaughter - - - - -	1.6	1	1	-	-	-	-	-	-				
Rickets † - - - - -	3.8	6	4	2	-	-	-	-	-	(SUICIDE.)													
Cancer - - - - -	51.8	50	-	-	-	5	26	19	-	Gunshot Wound - - - - -	1.0	1	-	-	-	-	1	-	-				
Tabs Mesenterica - - - - -	27.9	21	8	8	4	-	1	-	-	Cut, Stab - - - - -	2.3	-	-	-	-	-	-	-	-				
Tubercular Meningitis - - - - -	32.3	29	5	15	7	2	-	-	-	Poison - - - - -	2.6	2	-	-	-	-	2	-	-				
Phthisis - - - - -	159.1	131	3	2	15	61	40	8	2	Drowning - - - - -	1.1	1	-	-	-	1	-	-	-				
Scrofula, Tuberculosis - - - - -	15.1	12	2	6	1	3	-	-	-	Hanging - - - - -	1.6	3	-	-	-	-	1	2	-				
Other Constitutional Diseases † - - - - -	10.3	11	-	-	1	2	4	4	-	Otherwise - - - - -	1.0	1	-	-	-	1	-	-	-				
Premature Birth - - - - -	38.9	46	46	-	-	-	-	-	-	(EXECUTION.)													
Atelectasis † - - - - -	2.4	4	4	-	-	-	-	-	-	Hanging - - - - -	0.0	-	-	-	-	-	-	-	-				
Congenital Malformations - - - - -	5.3	9	9	-	-	-	-	-	-	OTHER CAUSES † - - - - -	48.6	41	35	-	-	2	-	3	1				
Old Age - - - - -	43.0	43	-	-	-	-	-	25	23														
Apoplexy - - - - -	40.3	41	1	-	1	4	18	13	4														
Epilepsy - - - - -	8.9	2	-	-	-	1	1	-	-														
Convulsions - - - - -	43.2	33	32	4	-	-	-	-	-														
Other Diseases of Brain and Nervous System - - - - -	85.5	63	12	10	9	6	7	23	1														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not ascribed by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and from Diphtheria, Whooping-cough, Typhus, Enteric or Typhoid Fever, Simple continued Fever, Diarrhoea, Violence, Inquest Cases, Deaths in Public Institutions, and Unnatural Causes, during the Week ending

		The Deaths registered in the Week include																			
REGISTRATION		Enu- mer- ated Popu- lation, 1881	Total Births.	Total Deaths.	Deaths from															Deaths in Public Institutions.	Un- certified Causes
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 10 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple con- tinued fever.	Diarrhoea.	Violence.	Inquest Cases.				
LONDON		3,815,704	2516	1387	318	299	-	99	15	19	66	-	6	1	24	54	86	316			
West Districts - - - -		669,698	375	272	64	53	-	37	3	2	12	-	-	-	2	9	14	66			
North Districts - - - -		905,947	575	316	75	73	-	15	4	8	21	-	-	-	1	7	12	18			
Central Districts - - - -		282,288	188	99	20	17	-	2	-	4	6	-	-	-	5	5	7	41			
East Districts - - - -		692,738	503	279	67	57	-	14	3	2	16	-	2	-	4	10	19	80			
South Districts - - - -		1,985,148	925	421	92	100	-	31	5	3	11	-	4	-	6	18	23	63			
Metropolitan Asylum Hos- pitals Outside Registration London		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
West Districts.																					
St. Mary Paddington WHH G.J. & W.M.		69888	51	30	6	2	-	5	-	-	2	-	-	-	-	2	2	5			
St. John Paddington H - - G.J.		87390	6	16	2	3	-	-	-	1	-	-	-	-	-	1	1	11			
Kensington Town Ww - - - W.M.		120141	63	45	16	7	-	15	-	-	4	-	-	-	-	-	1	6			
Brompton H - - - W.M. & C.		49010	13	10	4	1	-	-	-	-	-	-	-	-	-	-	-	1			
St. Peter Hammersmith - - - W.M.		7599	6	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-			
St. Paul Hammersmith H W.M. & G.J.		64340	46	31	9	5	-	3	-	-	-	-	-	-	-	1	1	3			
Fulham Ww - - - W.M. & C.		42900	56	23	8	8	-	5	3	-	2	-	-	-	1	1	1	9			
Chelsea South HHH - - - C.		30396	19	15	5	3	-	-	-	1	-	-	-	-	-	-	2	5			
Chelsea North-west WHHHH C.		24925	15	17	3	4	-	1	-	-	-	-	-	-	-	-	2	9			
Chelsea North-east - - - C.		32807	24	8	2	-	-	3	-	-	-	-	-	-	-	-	-	1			
May Fair WW - - - G.J.		80353	3	11	1	4	-	2	-	-	-	-	-	-	-	-	-	1			
Belgrave WHHH - - - C.		59220	29	22	4	3	-	-	-	2	-	-	-	-	-	1	1	10			
St. John Westminster HHH - - C.		35495	23	14	1	3	-	3	-	-	-	-	-	-	-	-	1	-			
St. Margaret Westminster H - - C.		24579	2	7	-	5	-	-	-	-	-	-	-	-	-	2	2	-			
St. James Westminster WHH N.R. & G.J.		29941	10	7	1	3	-	-	-	-	1	-	-	-	-	1	-	1			
St. Anne Soho HHHHHH - N.R.		18608	9	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
North Districts.																					
All Souls Marylebone HHHHH W.M.		26759	10	15	3	-	-	-	-	1	2	-	-	-	-	1	1	6			
Cavendish Square HHHH - - W.M.		14891	7	7	-	4	-	-	-	-	-	-	-	-	-	-	-	-			
Rectory Marylebone WH G.J. & W.M.		24309	9	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-			
St. Mary Maryleb. HHH G.J. & W.M.		21118	31	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-			
Christchurch Marylebone HH - W.M.		33700	17	11	4	-	-	-	-	1	1	-	-	-	-	-	-	-			
St. John Marylebone H - - W.M.		33633	14	6	1	4	-	1	-	-	-	-	-	-	-	-	-	-			
Hampstead WwWHHHH N.R. & W.M.		45432	83	16	1	7	-	-	-	1	-	-	-	-	-	-	3	-			
Regent's Park Pancras H - - W.M.		59115	12	4	1	1	-	-	-	-	-	-	-	-	-	1	1	-			
Tottenham-court WHHHH N.R. & W.M.		27729	11	30	4	5	-	1	-	-	-	-	-	-	1	-	12	-			
Gray's Inn Lane HHH - - - N.R.		30247	13	6	1	3	-	-	-	1	-	-	-	-	-	1	1	3			
Somers Town H - - - N.R.		34389	18	7	-	1	-	-	-	-	-	-	-	-	-	1	1	1			
Camden Town WH - - - N.R.		17811	8	9	2	1	-	-	-	1	-	-	-	-	-	1	2	3			
Kentish Town W - - - N.R.		87457	64	25	9	2	-	-	-	2	-	-	-	-	-	-	1	6			
Upper Holloway WWH - - - N.R.		67948	62	37	5	13	-	1	-	3	-	-	-	-	1	-	-	13			
Islington South-west HH - - N.R.		100976	64	31	11	3	-	5	-	1	-	-	-	-	1	1	3	-			
Islington South-east - - - N.R.		61825	39	24	6	6	-	-	-	2	-	-	-	-	1	2	1	2			
Highbury H - - - - N.R.		52048	28	11	4	4	-	-	-	2	-	-	-	-	-	-	1	-			
Stoke Newington H - - - N.R.		22731	21	13	6	-	-	-	-	2	-	-	-	-	-	1	-	-			
Stamford Hill - - - E.L.		9277	7	7	2	2	-	1	-	-	-	-	-	-	-	-	-	-			
West Hackney H - - - N.R.		87610	23	7	4	1	-	2	-	-	-	-	-	-	-	-	-	-			
Hackney WwWH - - - E.L. & N.R.		76911	54	40	4	12	-	1	2	2	1	-	-	-	-	3	5	16			
South Hackney - - - E.L.		39883	22	14	5	2	-	-	2	1	1	-	-	-	1	1	1	-			
Central Districts.																					
St. George Bloomsbury - - - N.R.		16681	8	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-			
St. Giles South WH - - - N.R.		14844	12	6	1	1	-	-	-	-	-	-	-	-	-	1	-	2			
St. Giles North - - - N.R.		13837	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Martin-in-the-Fields HH N.R. & C.		17598	3	8	-	2	-	-	-	-	-	-	-	-	-	-	2	-			
St. Mary-le-Strand H - - - N.R.		7515	3	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-			
St. Clement Danes H - - - N.R.		8559	3	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Strand Union Workhouse, Edmonton w.		-	-	3	-	1	-	-	-	-	1	-	-	-	-	-	-	4			
St. Geo.-the-Martyr HHHHHH N.R.		18671	9	15	4	-	-	-	-	1	1	-	-	-	-	1	-	8			
St. Andrew Eastern W - - - N.R.		10706	3	5	2	1	-	-	-	-	-	-	-	-	-	-	-	2			
Saffron Hill H - - - N.R.		6638	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. James Clerkenwell - - - N.R.		17516	13	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-			
Amwell Clerkenwell - - - N.R.		19281	13	3	3	-	-	-	-	1	1	-	-	-	-	-	-	-			
Pentonville - - - N.R.		14773	8	4	1	-	-	1	-	-	1	-	-	-	-	-	-	-			
Goswell-street - - - N.R.		17508	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Old-street H - - - N.R.		11541	4	4	1	1	-	-	-	-	1	-	-	-	-	-	-	-			
City-road HHL - - - N.R.		18628	29	7	2	2	-	-	-	1	-	-	-	-	-	1	1	2			
Whitecross-street - - - N.R.		9217	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Finsbury - - - N.R.		7468	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
Holborn Union Workhouse, Mitcham, w.		-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Botolph H - - - N.R. & E.L.		11174	4	1	1	-	-	-	-	-	-	-	-	-	-	1	-	2			
Cripplegate - - - N.R.		7198	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Sepulchre H - - - N.R.		5358	-	16	-	2	-	-	-	2	-	-	-	-	-	3	2	15			
St. Bride W - - - N.R.		8396	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
Allhallows Barking - - - N.R.		13666	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street H - - - N.R.		6652	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: *W*—Workhouse; *H*—Hospital; *L*—Lunatic Asylum; *L*<sup>p</sup>—Private Lunatic Asylum in which paupers are received; *w*—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the end of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—*G. J.* signifies Great Junction Company; *W. M.* West Middlesex; *C.* Chelsea; *S.* Southwar and Vauxhall; *L.* Lambeth; *N. R.* New River; *E. L.*, East London; and *K.*, the Kent Company.

Following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page) :

London Infirmary in Kensington Town sub-district.	Stepney Workhouse in Bromley sub-district.
London Sick Asylum in Tottenham Court sub-district.	Point & Stepney Sick Asylum.
Infirmary in Upper Holloway sub-district.	Westminster Union Industrial School in West Battersea sub-district.
City Workhouse " Hackney sub-district.	St. Saviour's Infirmary in Camberwell sub-district.
Chapel " " Mile End New Town sub-district.	Metropolitan Asylum District Hospitals in Finsbury, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford
City " " Mile End New Town Eastern sub-district.	Edmonton sub-district.
City " " " and Bromley sub-district.	Strand and Holborn Workhouses outside Registration London.
At April 1890 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.	



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 21st June, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- merated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON—OUTER RING		370,924	950,957	817	378	83	86	-	34	3	5	10	4	6	12	22	47
30: 1	Carshalton <i>wL</i> -	12238	21118	13	4	1	32	-	-	-	-	-	-	-	-	-	-
2	Epsom (part of)* <i>WwH</i> †	9971	10710	10	3	1	-	-	-	-	-	-	-	-	-	-	1
37: 1	Godstone (part of) * -	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38: 1	Croydon <i>WwL</i> -	20851	101241	63	59	8	8	-	6	-	-	-	-	-	1	1	8
2	Mitcham <i>w†</i> -	11697	17932	10	4	-	1	-	-	-	-	-	-	-	2	2	-
39: 1	Wimbledon <i>HHH</i> -	3220	15950	15	11	2	2	-	1	-	2	-	-	-	-	-	3
2	Kingston <i>WHH</i> -	8549	36354	24	8	3	4	-	-	-	1	-	-	-	-	-	-
3	Esher (part of) * -	6601	9231	8	1	1	-	-	-	-	-	-	-	-	-	-	-
4	Hampton <i>H</i> -	4573	13539	13	6	1	2	-	-	1	-	-	-	-	-	-	-
40: 1	Richmond <i>WH</i> -	2272	21302	17	7	2	2	-	-	-	-	-	-	1	-	1	-
2	Mortlake -	2941	12331	7	3	-	-	-	-	-	-	-	-	-	-	-	-
41: 1	Bromley (pt. of) * <i>HH</i>	15669	81142	20	3	1	1	-	1	-	-	-	-	-	-	-	-
2	Chislehurst (pt. of)* <i>WHH</i>	14307	15844	7	5	3	1	-	1	-	-	-	-	-	-	-	2
42: 1	Bexley <i>H</i> -	13437	24134	21	11	3	1	-	-	-	-	-	-	-	-	-	-
2	Dartford ( <i>Ww</i> , pts. of)*‡	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1
124: 1	Sunbury <i>w</i> -	11055	11686	6	3	1	1	-	-	-	-	-	-	-	-	-	-
2	Staines <i>W</i> -	13277	12089	5	2	1	-	-	1	-	-	-	-	-	-	-	-
125: 1	Hillingdon <i>WHH</i> -	6029	10802	6	5	-	1	-	2	-	-	-	-	-	2	2	2
2	Uxbridge -	6178	3225	5	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Hayes <i>wHL</i> -	14887	11523	5	6	-	1	-	1	-	-	-	-	-	-	-	3
126: 1	Isleworth <i>WHH</i> -	7008	22737	13	5	2	-	-	1	-	-	-	-	-	-	1	1
2	Twickenham <i>H</i> -	2477	12479	12	8	2	1	-	-	-	-	-	-	-	-	-	-
3	Brentford <i>HL</i> -	4345	27649	21	4	-	1	-	-	-	-	-	-	-	-	1	-
4	Chiswick -	1340	15975	10	9	1	4	-	-	-	-	-	-	-	1	1	-
5	Acton <i>wH</i> -	6083	23376	17	10	2	2	-	-	-	-	-	-	2	1	2	-
127: 1	Harrow <i>H</i> -	13809	12796	6	4	1	-	-	-	-	-	-	-	-	-	-	-
2	Edgware <i>H</i> -	6694	3749	3	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	40	11	4	2	-	2	-	3	-	-	-	-	1	1
4	Hendon <i>W</i> -	8382	10494	6	12	1	4	-	2	-	-	-	-	-	2	2	5
137: 1	Bushey -	9331	6621	6	1	-	1	-	-	-	-	-	-	-	-	-	-
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128: 1	South Mimms -	15399	6391	7	4	-	3	-	-	-	-	-	-	-	1	1	-
2	Barnet -	5133	10092	11	6	-	1	-	1	-	-	-	-	-	1	1	3
3	Finchley <i>HL</i> -	4638	17015	19	12	-	3	-	-	-	1	-	-	1	-	-	4
135: 1	Hatfield (part of) * -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129: 1	Hornsey <i>H</i> -	3039	37078	29	9	3	2	-	-	-	-	-	-	-	-	-	-
2	Tottenham <i>H</i> -	4642	46456	58	39	4	4	-	11	-	2	-	2	1	-	3	2
3	Edmonton <i>Ww</i> -	7483	23463	19	18	4	6	-	3	1	-	1	-	-	-	-	4
4	Enfield <i>WH</i> -	12653	19104	16	11	2	2	-	-	-	-	-	1	-	-	-	-
5	Waltham Abbey -	11017	8348	3	2	1	1	-	-	-	-	-	-	-	-	-	-
6	Cheshunt -	8490	7735	3	2	-	1	-	-	-	-	-	-	-	-	-	-
136: 1	Stratford -	382	38606	29	12	3	2	-	-	-	-	-	-	-	-	1	-
2	West Ham <i>wvH</i> -	4053	90347	105	27	10	6	-	-	1	-	2	-	-	-	-	-
3	East Ham <i>wv</i> -	3296	10706	23	7	3	-	-	-	-	-	-	-	-	1	1	-
4	Leyton <i>WwL</i> -	4372	32430	34	25	5	7	-	-	-	-	3	-	-	-	-	7
5	Walthamstow <i>H</i> -	6520	23869	40	14	5	3	-	1	-	1	-	-	1	-	-	-
137: 1	Chigwell (part of) * <i>H</i>	11761	9639	7	3	1	1	-	-	-	-	-	-	-	-	-	-
2	Epping ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139: 1	Romford (part of) * <i>W</i>	6730	3411	2	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Ilford -	5493	7645	6	4	-	1	-	-	-	-	-	1	-	-	-	-
3	Barking Town -	4127	9203	10	2	1	-	-	-	-	-	-	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37: 1, the parishes of Warrington and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadham and Kneebolt (pop. 1815); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 135: 1, the parish of Norton in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 187: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

§ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 21st June, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 69 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.	
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
TER LONDON	448,334	5,758,500	16·0	2·6	1765	401	335	-	133	18	24	76	11	30	66	363	
TER LONDON -	77,410	4,421,661	16·4	2·7	1337	313	299	-	99	15	19	66	7	24	54	316	
TER RING -	370,924	1,336,839	14·7	2·4	378	83	83	-	34	3	5	10	4	6	12	47	

R.—The area of Greater London is 448,334 acres; of which 4,392 acres are tidal water and foreshore. This area is equal to 522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,308 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. (Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ATTA - -	433,219	April	26	-	270	32·5	36	-	-	-	-	92	35†
AY - -	773,196	May	3	-	230	27·7	20	2	-	-	4	77	34†
AS - -	398,777	"	9	-	-	-	-	-	-	-	-	-	-
B - -	2,260,945	June	14	1139	913	21·0	-	61	3	30*	10	15	67
BELLS - (Faubourgs.)	477,288	"	14	242	160	17·9	1	-	-	-	4	1	15
BERDAM -	406,302	"	14	288	134	17·2	-	1	1	-	-	1	-
BERDAM -	203,486	"	14	111	70	17·9	-	-	-	-	-	-	1
HAGUE -	156,497	"	14	103	45	14·9	-	3	-	-	-	-	-
BRUGES -	312,387	"	14	202	127	21·2	-	8	2	7	2	-	5
BRUSSELS -	236,350	"	7	141	69	21·8	-	-	7	4*	-	1	16
BUCHAREST -	143,300	"	14	43	69	25·0	-	-	-	6	-	-	5
CHERBOURG -	924,466	"	7	-	453	25·6	2	39	24	8	-	9	33
CHENNAI -	1,526,887	May	31	679	662	22·3	-	23	9	27	12	4	104
CHENNAI (State)	575,276	June	7	333	199	18·0	-	4	1	7*	1	-	10
CHENNAI -	269,250	"	7	152	131	25·3	-	5	-	3*	-	-	9
CHENNAI -	324,400	"	14	239	159	26·0	-	-	2	12*	2	-	15
CHENNAI -	298,000	"	14	235	173	30·2	-	2	3	11*	5	-	27
CHENNAI -	822,176	"	14	470	386	24·4	1	17	2	7	4	1	42
CHENNAI -	314,425	"	14	-	197	32·7	1	12	7	6	5	-	3
CHENNAI -	463,017	"	7	376	312	35·0	-	2	1	12	-	4	49
CHENNAI -	160,092	"	14	90	56	18·2	-	-	-	2*	-	-	4
CHENNAI -	418,217	May	17	202	156	19·8	-	3	1	6	-	7†	2
CHENNAI (10 days)	314,827	"	10	219	193	22·3	1	4	-	1	1	4	14
CHENNAI (10 "	156,515	"	20	225	186	21·5	2	7	1	-	2	3	19
CHENNAI -	156,515	"	31	60	64	21·3	3	-	-	1	1	1	5
CHENNAI -	374,838	June	5	340	290	40·2	1	1	-	2*	1	18	101
CHENNAI -	231,396	"	5	166	177	39·8	2	-	-	-	-	12	37
CHENNAI -	1,595,547	May	31	-	656	21·2	-	24	6	32	5	1	17
CHENNAI -	859,612	"	31	-	312	18·9	-	5	1	14	3	-	6
CHENNAI -	1,064,277	"	31	-	304	14·9	-	-	4	10	4	6	7
CHENNAI -	500,343	June	7	-	294	30·6	-	8	1	1	1	2	88
CHENNAI -	254,000	May	10	-	129	26·5	-	-	-	2	-	-	17

\* Including deaths from group.

† Including 18 and 15 deaths respectively from cholera in Calcutta.

‡ Including 5 from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 21st JUNE, 1890.

1890. MONTH AND DAY.	Phases of the Moon.	TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge receiving 5 inches above the Ground.								
		Baro- meter.	Of the Air.			De- parture from Average value, 20 years.	Of the Dew Point.		Difference between the Air Temperature and Dew Point Temperature.		Degree of Hu- midity (Sat- uration 100).	Of Radiation.		Of the Water of the Thames at Deptford.		Osler's.			Robinson's.							
			High- est.	Low- est.	Range.		Mean daily value.	Mean daily value.	Least.	High- est in Sun's rays.		Low- est est.	A.M.	P.M.	Great- est.	Least.	Mean hourly obs.									
JUNE.																										
SUN. . 15	..	30.192	66.8	47.0	19.8	57.1	- 2.2	50.0	0.0	0.0	77	118.1	40.3	61.6	60.8	ENE. & N.	Calm & SSW.	lbs. 0.0	0.0	0.0	lbs. 116	Miles. -132	in. 0.60	2.2		
MON. . 16	..	30.015	77.5	52.2	25.3	63.3	+ 3.8	55.2	0.0	0.0	75	143.0	45.4	61.6	60.6	SW. & WSW.	SW. & SSW.	1.2	0.0	0.0	246	+ 1	0.00	0.8		
TUES. . 17	New.	29.818	68.0	51.0	17.0	55.9	- 3.8	51.8	0.0	0.0	86	115.0	45.0	62.1	61.5	SW. & WSW.	WSW. & W.	2.0	0.0	0.2	313	+ 71	0.17	0.0		
WED. . 18	Greatest Dec. N.	29.900	72.8	47.1	25.7	59.9	- 0.6	53.3	0.0	0.0	79	139.6	38.3	61.7	61.1	WSW.	SW. & WSW.	1.84	0.0	0.1	299	+ 59	0.01	0.0		
THURS. . 19	..	29.963	69.4	53.3	16.1	59.6	- 0.6	49.6	10.0	19.8	70	125.2	43.0	62.3	61.6	W. & NNW.	NNW. W. & WSW.	2.5	0.0	0.1	294	+ 56	0.00	0.0		
FRI. . 20	..	29.888	71.3	49.5	21.8	59.2	- 1.3	51.6	7.6	17.3	76	133.3	38.9	62.4	61.7	WSW.	WSW.	1.7	0.0	0.1	319	+ 82	0.00	0.0		
SAT. . 21	Apogee.	29.935	70.7	48.2	22.5	59.3	- 1.0	49.1	10.7	20.5	68	123.3	38.3	62.6	61.9	Calm & NE.	Variable.	2.0	0.0	0.0	108	-124	0.20	0.0		
MEANS .	..	29.959	70.9	49.8	21.2	59.3	- 0.7	51.5	7.7	17.9	76	128.2	41.3	62.0	61.3	WSW.		..	..	..	Sum 1635	Sum + 9	Sum 0.38	0.4		
No. of Col. .		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DATE.		ELECTRICITY.		Registered Sun above		Sunshine, Horizon,		Sunshine, in hours.		GENERAL REMARKS.																
JUNE.		(For explanation of symbols, see Note.)		in hours.		in hours.		in hours.																		
SUNDAY . 15		w. P. throughout !		3.2		16.5		16.5		Cloudy generally; fine at times morning and afternoon.																
MONDAY . 16		w. P. generally		8.3		16.5		16.5		Fine; partially cloudy. Solar halo in afternoon.																
TUESDAY . 17		s. P. and s. N. in early morning; v. P. generally afterwards.		0.4		16.6		16.6		Overcast generally; occasional rain in afternoon.																
WEDNESDAY 18		w. P. generally		6.7		16.6		16.6		Fine; partially cloudy. A shower of rain at 10.4 P.M.																
THURSDAY . 19		w. P. in morning; v. P. afterwards.		3.0		16.6		16.6		Overcast generally; occasional rain in afternoon.																
FRIDAY . 20		w. P. . . .		5.5		16.6		16.6		Fine in early morning; cloudy till afternoon; fine afterwards with light clouds till night, then cloudless.																
SATURDAY . 21		w. P. in morning; v. N. and s. P. afterwards.		2.2		16.6		16.6		Fine till noon; overcast afterwards. Rain at night.																

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations were taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the expected mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hydro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 8 and 25 it will be borne in mind that + indicates "higher," and — "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cargo Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 30.21 in. at the beginning of the week to 29.79 in.

OFFICIAL COPY.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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General Register Office, Somerset House,  
30th June, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 16·9 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	June 7.	June 14.	June 21.	June 28.		June 7.	June 14.	June 21.	June 28.
Birkenhead	19·4	17·9	14·9	17·4	Liverpool -	19·5	20·7	21·9	18·6
Birmingham	16·6	17·2	18·6	19·1	London -	16·4	16·2	16·4	15·9
Blackburn -	18·1	17·7	18·1	22·8	Manchester -	28·0	26·2	29·0	27·1
Bolton -	29·3	20·7	23·9	18·9	Newcastle-on-Tyne	27·2	21·1	25·6	23·7
Bradford -	18·0	17·1	18·4	10·6	Norwich -	17·5	14·2	20·2	19·1
Brighton -	17·7	10·5	11·8	14·8	Nottingham -	15·8	9·6	12·6	11·3
Bristol -	11·0	11·5	13·7	13·2	Oldham -	18·5	17·8	19·2	16·7
Cardiff -	18·3	12·9	14·3	10·7	Plymouth -	13·9	23·8	22·5	14·6
Derby -	20·2	14·0	15·5	14·5	Portsmouth -	16·0	19·3	18·6	12·4
Halifax -	21·0	20·3	19·1	15·9	Preston -	22·3	16·9	16·9	22·3
Huddersfield	17·1	14·9	18·8	19·9	Salford -	22·1	18·5	19·4	20·4
Hull -	14·6	15·1	15·9	14·6	Sheffield -	23·7	21·0	24·4	19·6
Leeds -	20·8	17·9	14·9	19·2	Sunderland -	17·2	19·5	20·2	17·2
Leicester -	11·5	13·2	14·9	14·5	Wolverhampton -	13·1	22·5	16·3	17·5

The highest annual death-rates, measured by last week's mortality, were :—from *measles*, 1·0 in Derby, 1·2 in London and in Birmingham, 1·3 in Wolverhampton and 1·5 in Liverpool; from *scarlet fever*, 1·1 in Manchester and 1·4 in Sheffield; from *whooping-cough*, 1·3 in Brighton; from "*fever*," 1·0 in Birkenhead; and from *diarrhœa*, 1·7 in Leicester and 2·1 in Blackburn. The 42 deaths from *diphtheria* included 24 in London, 6 in Manchester, 2 in Salford, 2 in Sheffield, and 2 in Sunderland. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2359 BIRTHS and 1346 DEATHS were registered. Allowing for increase of population, the births were 382, and the deaths 116, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been 16·2 and 16·4 in the two preceding weeks, declined last week to 15·9, this being the lowest rate recorded in any week of this year. During the thirteen weeks ending on Saturday last the death-rate per 1000 averaged 17·3, which was 1·3 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1346 deaths included 101 from measles, 7 from scarlet fever, 24 from diphtheria, 52 from whooping-cough, 2 from typhus, 9 from enteric fever, 51 from diarrhoea and dysentery, 2 from choleraic diarrhoea, and not one from small-pox or from ill-defined forms of continued fever; thus, 248 deaths were referred to these diseases, exceeding by 7 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 14; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 100 and 99 in the two preceding weeks, numbered 101 last week, and exceeded the corrected average by 42. The fatal cases of *scarlet fever*, which had been 11 and 15 in the two previous weeks, declined last week to 7, this number being lower than that recorded in any week since July 1889, and 17 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1247 scarlet fever patients at the end of last week, the numbers on the three preceding Saturdays having increased from 1133 to 1196; 136 cases were admitted during the week, against 104 and 143 in the two preceding weeks. The deaths from *diphtheria*, which had been 24 and 19 in the two previous weeks, increased again last week to 24, and exceeded the corrected average by 7. The 52 deaths from *whooping-cough*, though but 2 below the corrected average, were fewer than in any previous week of this year. The deaths from *diarrhoea*, which had risen from 8 to 24 in the three previous weeks, further increased last week to 51, though still 7 below the corrected average; 47 were of children under five years of age. The death of an infant, aged 6 months, was attributed to "choleraic diarrhoea, 43 hours," and that of a female, aged 49 years, to "persistent vomiting and choleraic diarrhoea."

The deaths referred to *enteric fever*, which had been 11 and 6 in the two preceding weeks, increased last week to 9, being, however, 2 below the corrected average. Two deaths from *typhus* occurred in the South-Eastern Hospital at Deptford, and were of persons who had been admitted respectively from No. 6 and No. 40, Gedling Street, Bermondsey. The Metropolitan Asylum Hospitals contained 51 cases of enteric fever, and 4 of typhus, on Saturday last; 6 cases of enteric fever were admitted during the week, against 4 and 14 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had numbered 240 and 215 in the two previous weeks, further declined last week to 206, being 6 below the corrected average.

Different forms of violence caused 49 deaths, concerning all but 2 of which inquests were held. Of these 49 deaths, 6 were cases of suicide, and 5 of murder or manslaughter, while the remaining 38 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 1 (of a lead-worker) by lead-poisoning, 5 by drowning, and 8 (of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3114 births and 1695 deaths were registered, corresponding to annual rates of 28·2 and 15·3 per 1000 of the estimated population. In the Outer Ring 16 deaths from whooping-cough and 15 from measles were recorded. The deaths from whooping-cough included 5 in Leyton and 4 in Tottenham sub-districts. Five deaths from measles were returned in Willesden, and 3 in Tottenham sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·83 ins.; the highest reading was 30·01 ins. on Tuesday morning, and the lowest was 29·61 ins. at the end of the week. The mean temperature of the *air* was 60°·6, and 1°·1 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Monday, Tuesday, and Wednesday, but was below the average on the other days of the week. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 9·7 miles per hour, which was 0·4 of a mile below the average in the corresponding weeks of 16 years. *Rain* fell on five days of the week to the aggregate amount of 0·78 inches. The duration of registered bright sunshine in the week was 36·2 hours, against 34·3 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 28th June 1890.

CITIES AND BOROUGHs.	Colc.	Registered during the Week ending 23th June, 1890.			The Deaths registered in the Week include												TEMPERATURE OF THE AIR.										RAINFALL.		CITIES AND BOROUGHs.	
		POPULATION estimated to the middle of June, 1890.*			Deaths of												Annual Rate per 1000, corresponding to the Week's Deaths										In Inches.	In Centi- metres.		
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Deaths from												From All Causes.													
					Small-pox.	Measles.	Nearle fever.	Diphtheria.	Whooping cough.	Rever.	Dysentery.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Causes of Death. Unofficial.	From Diseases in Cols. 6-12.	Lowest.	Mean.	Centigrade.											
Colc.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Colc.	Colc.	Colc.			
28 TOWNS.	-	9,715,559	5,415	3,158	785	626	-	151	44	42	80	27	102	105	196	570	46	16-9	2-4	80-2	43-0	57-6	14-22	0-49	1-24	-	28 TOWNS.			
LONDON.	-	4,421,661	2,859	1,346	839	268	-	101	7	24	52	11	51	49	98	299	8	15-9	2-9	80-2	48-1	60-6	15-59	0-78	1-08	-	LONDON.			
BRIGHTON.	-	123,659	64	35	5	9	-	1	-	1	3	-	-	-	-	11	-	14-8	2-1	67-0	40-0	57-0	13-89	0-25	0-63	-	BRIGHTON.			
PORTSMOUTH.	-	142,932	77	34	9	6	-	1	-	1	1	2	-	-	1	5	-	12-4	1-5	-	-	-	-	-	-	-	PORTSMOUTH.			
NORWICH.	-	95,353	57	35	9	11	-	1	-	-	1	-	-	-	6	2	1	19-1	1-1	-	-	-	-	-	-	-	NORWICH.			
PLYMOUTH.	-	78,780	38	22	4	7	-	1	-	-	-	-	-	-	5	12	1	14-6	0-7	72-0	52-5	60-0	15-56	0-74	1-88	-	PLYMOUTH.			
BRISTOL.	-	282,248	181	59	13	19	-	1	-	1	-	-	1	2	5	12	1	13-2	0-7	70-0	50-0	58-0	14-44	0-82	2-08	-	BRISTOL.			
WOLVERHAMPTON.	-	83,406	52	28	5	3	-	2	-	-	-	-	1	6	6	5	-	17-5	1-9	71-2	47-0	57-4	14-11	0-18	0-46	-	WOLVERHAMPTON.			
BIRMINGHAM.	-	461,805	257	169	43	37	-	11	5	-	1	4	5	7	47	4	-	19-1	2-5	-	-	-	-	-	-	-	BIRMINGHAM.			
LEICESTER.	-	154,344	97	43	21	7	-	-	-	1	-	-	5	-	3	5	1	14-5	2-0	-	-	-	-	-	-	-	LEICESTER.			
NOTTINGHAM.	-	244,909	120	53	13	10	-	-	-	-	1	1	1	3	4	1	-	11-3	0-6	71-8	44-4	58-0	14-44	0-11	0-28	-	NOTTINGHAM.			
DERBY.	-	100,871	75	28	11	6	-	2	1	-	1	-	1	-	2	3	1	14-5	2-6	-	-	-	-	-	-	-	DERBY.			
BIRMINGHAM.	-	105,049	67	35	9	14	-	-	-	1	1	2	1	-	3	-	-	17-4	2-5	-	-	-	-	-	-	-	BIRMINGHAM.			
LIVERPOOL.	-	613,463	345	219	46	21	-	18	8	1	3	4	5	13	15	35	12	18-6	3-3	66-9	49-1	55-9	13-28	0-84	2-13	-	LIVERPOOL.			
BOLTON.	-	115,846	65	42	10	9	-	-	-	2	2	1	-	-	-	-	1	18-9	1-4	-	-	-	-	-	-	-	BOLTON.			
MANCHESTER.	-	978,437	569	197	42	35	-	3	8	6	2	2	6	7	14	46	3	27-1	3-7	-	-	-	-	-	-	-	MANCHESTER.			
SALFORD.	-	242,509	111	55	21	21	-	2	2	2	-	1	3	2	3	13	1	20-4	2-2	-	-	-	-	-	-	-	SALFORD.			
OLDHAM.	-	146,716	77	47	10	9	-	-	-	1	-	-	-	1	5	-	-	16-7	1-1	-	-	-	-	-	-	-	OLDHAM.			
BLACKBURN.	-	123,553	75	54	14	17	-	-	-	1	-	-	5	2	3	13	3	22-8	2-1	-	-	-	-	-	-	-	BLACKBURN.			
PRESTON.	-	105,163	76	45	16	6	-	-	1	-	-	-	1	1	2	1	-	22-3	1-0	-	-	-	-	-	-	-	PRESTON.			
HUDDESFIELD.	-	94,253	40	36	10	7	-	-	-	-	-	-	-	-	1	1	3	19-9	0-6	-	-	-	-	-	-	-	HUDDESFIELD.			
HALEFAX.	-	82,034	42	25	3	6	-	-	-	-	-	-	-	-	1	1	-	15-9	0-6	-	-	-	-	-	-	-	HALEFAX.			
BRADFORD.	-	240,515	114	49	9	5	-	1	-	-	1	-	1	-	-	5	1	10-6	0-7	66-4	48-1	56-6	13-67	0-24	0-61	-	BRADFORD.			
LEEDS.	-	368,799	245	184	43	28	-	2	-	-	3	1	7	4	7	7	2	19-2	1-9	-	-	-	-	-	-	-	LEEDS.			
SHEFFIELD.	-	312,837	192	125	25	31	-	4	9	2	4	1	-	3	4	16	3	19-6	3-1	-	-	-	-	-	-	-	SHEFFIELD.			
HULL.	-	213,833	102	60	17	12	-	1	-	-	1	-	3	-	2	7	2	14-6	1-2	73-0	43-0	55-8	13-22	0-53	1-35	-	HULL.			
SUNDERLAND.	-	135,406	97	45	15	6	-	-	-	2	1	-	1	-	1	5	-	17-2	1-5	70-0	49-0	56-3	13-50	0-45	1-14	-	SUNDERLAND.			
NEWCASTLE.	-	162,957	106	74	18	14	-	-	1	1	-	-	3	4	8	10	1	23-7	1-6	-	-	-	-	-	-	-	NEWCASTLE.			
CARDIFF.	-	117,013	85	24	5	2	-	-	-	-	-	-	-	1	3	-	-	10-7	0-0	-	-	-	-	-	-	-	CARDIFF.			
EDINBURGH.	-	271,185	162	50	11	27	-	-	1	-	1	-	-	-	5	9	22	17-3	0-4	65-5	41-0	56-0	13-53	0-41	1-04	-	EDINBURGH.			
GLASGOW.	-	530,503	268	240	60	31	-	16	1	2	17	-	6	6	9	27	19	23-6	4-1	64-7	39-2	56-1	13-39	1-18	3-00	-	GLASGOW.			
DUBLIN.	-	335,052	210	152	25	29	-	4	-	4	5	2	5	5	7	70	13	22-5	2-2	66-2	44-1	56-5	13-61	0-46	1-17	-	DUBLIN.			

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-SIXTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2493	2486	2470	2589	2691	2493	2437	2735	2289	2467	2741·4	2359
Males . .	1265	1254	1266	1263	1347	1288	1246	1402	1128	1265	1337·5	1196
Females .	1228	1232	1204	1326	1344	1195	1191	1333	1161	1202	1353·9	1163
<b>TOTAL Deaths</b>	1800	1440	1303	1432	1471	1366	1253	1333	1238	1265	1462·4	1346
Males . .	687	767	682	753	808	729	659	700	636	699	776·4	666
Females .	613	673	621	679	663	637	599	633	602	566	686·0	680

\* The numbers in this column are the average weekly numbers in the twenty-sixth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.
<b>TOTAL Births</b>	2329	2360	2395	2538	2613	2308	2468	2443	2091	2399	2477	2516	2359
<b>TOTAL Deaths</b>	1419	1619	1611	1567	1533	1469	1466	1451	1411	1393	1375	1387	1346
<b>Ages at Death</b>													
{ 0—20 years	657	774	782	742	721	712	707	739	713	667	658	672	669
{ 20—40 "	183	204	177	197	210	170	178	166	186	186	172	177	155
{ 40—60 "	239	275	282	255	227	243	261	235	232	250	239	239	254
{ 60—80 "	285	308	291	313	305	274	257	239	244	235	247	243	220
{ 80 years & upwards	55	58	79	60	70	70	63	72	46	55	69	51	43
<b>"</b>													
{ Under 1 year	310	372	356	369	337	360	339	335	349	285	297	318	339
{ 1—5 "	253	298	322	286	294	251	266	307	250	280	267	262	256
{ 5—20 "	94	104	104	87	90	101	102	97	114	102	94	92	74
<b>Deaths from Small-pox</b>	-	-	-	-	1	-	-	1	-	-	-	-	-
" Measles	35	54	65	61	67	62	70	94	83	91	100	99	101
" Scarlet fever	8	12	13	17	15	12	17	15	14	11	11	15	7
" Diphtheria	20	21	17	20	18	25	21	24	25	20	24	19	24
" Whooping-cough	84	79	106	88	86	99	88	91	78	75	59	66	52
" Typhus	-	1	-	-	1	-	-	-	1	1	-	-	2
" Enteric fever	2	4	8	6	6	3	8	6	3	7	11	6	9
" Simple Cont <sup>d</sup> fever	1	-	-	1	-	-	2	-	-	1	1	1	-
" Diarrhoea and Dysentery	10	10	11	13	21	11	17	10	10	8	15	24	51
" Cholera	-	-	-	-	-	-	-	1	-	1	-	2	2
" all the above-mentioned Diseases	160	181	220	206	215	212	223	242	214	215	221	232	243
" Dis. of Respiratory System	296	384	380	345	326	301	300	294	259	229	240	215	206
" Phthisis	180	174	189	154	143	139	154	117	116	138	133	131	136
" Dis. of Circulatory System	114	151	133	119	140	132	124	121	117	131	122	120	99
<b>Violent Deaths</b>	36	60	41	61	61	62	45	66	64	50	36	54	49
<b>Inquest Cases</b>	85	133	105	125	124	134	100	119	123	109	87	86	98
<b>Deaths in Public Institutions</b>	562	382	338	374	342	326	376	324	328	331	327	314	299
<b>TEMPERATURE OF THE AIR</b>													
Mean	43·8	43·2	46·1	47·1	50·7	52·4	55·3	58·3	54·0	56·5	56·6	59·3	60·6
Mean of Highest readings	54·9	52·0	53·8	56·7	62·2	61·6	67·4	71·0	65·9	67·0	67·9	70·9	71·5
Mean of Lowest readings	33·1	37·0	39·9	40·1	38·9	44·6	45·6	45·6	44·0	48·1	48·1	49·8	52·5
<b>Humidity of the Air</b>	72	72	81	82	67	80	69	65	65	76	81	76	82
<b>Rain-fall in inches</b>	0·00	0·29	0·38	1·00	0·07	0·56	0·56	0·14	0·07	0·31	0·76	0·38	0·78
<b>Registered Sunshine (in hours)</b>	59·8	22·0	27·0	15·9	63·9	14·2	54·0	71·2	51·9	25·1	23·4	29·3	36·2

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-SIXTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 26th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 28th June 1890.								Corrected Averages for the 26th Weeks of the 10 years 1880-89.*	CAUSES OF DEATH.	In the Week ending Saturday, 28th June 1890.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Deaths of Persons of the Ages										Deaths of Persons of the Ages																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
ALL CAUSES - -	1462.4	1346	339	256	74	155	254	220	48	Diseases of Organs of Special Sense † - -	2.1	4	1	1	2	-	-	-	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the week include																				
REGISTRATION SUB-DISTRICTS.		Enu- me- rated Popu- lation, 1881.	Total Births.	Deaths from														Inquest Cases,	Deaths in Public Institutions.	Un- classified Causes.
				Total Deaths.	Infants under 1 Year of Age.	Persons aged 60 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas or Typhoid Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON		3,815,704	2359	1346	339	268	-	101	7	24	52	2	9	-	51	49	98	299		
WEST DISTRICTS		669,688	370	251	66	57	-	25	1	4	8	-	4	-	11	7	16	63		
NORTH DISTRICTS		905,947	513	312	73	50	-	27	4	8	11	-	1	-	16	9	18	65		
CENTRAL DISTRICTS		282,238	138	89	14	19	-	3	-	1	5	-	1	-	1	7	12	25		
EAST DISTRICTS		692,738	481	274	78	51	-	10	1	2	13	-	-	-	11	11	23	78		
SOUTH DISTRICTS		1,985,148	857	416	118	91	-	36	1	9	15	2	3	-	12	15	23	67		
METROPOLITAN ASYLUM POS- TULIS OUTSIDE REGISTRATION LONDON		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
WEST DISTRICTS.																				
St. Mary Paddington WHH G.J. & W.M.		69888	43	25	5	7	-	3	-	-	-	-	-	-	1	-	-	4		
St. John Paddington H - G.J.		37330	13	12	-	3	-	-	-	-	-	-	1	-	-	-	-	-		
Kenington Town Ww - W.M.		120141	49	69	13	16	-	9	-	1	1	-	1	-	3	2	5	22		
Brompton H - W.M. & C.		43010	18	11	1	2	-	-	-	-	-	-	-	-	1	-	-	6		
St. Peter Hammersmith - W.M.		7399	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.		64340	53	81	11	7	-	3	-	1	-	-	1	-	3	1	2	2		
Fulham Ww - W.M. & C.		42900	62	39	10	4	-	8	-	1	2	-	-	-	2	4	3	-		
Chelsea South HHH - D.		30396	14	11	2	2	-	-	-	-	-	-	-	-	-	1	2	-		
Chelsea North-west WHHHH C.		24925	12	9	1	1	-	1	-	-	-	-	1	-	-	-	5	-		
Chelsea North-east - C.		32807	25	7	2	1	-	1	-	-	-	-	-	-	-	-	-	-		
May Fair WW - G.J.		80353	2	3	-	5	-	-	-	-	-	-	-	-	-	-	-	7		
Belgrave WHHH - C.		59220	24	13	1	4	-	-	-	1	2	-	-	-	1	1	3	-		
St. John Westminster HHH - C.		35496	21	9	2	1	-	1	-	-	-	-	-	-	1	-	-	-		
St. Margaret Westminster H - C.		24679	11	9	1	2	-	-	-	-	-	-	-	-	1	1	7	-		
St. James Westminster WHH N.R. & G.J.		29941	7	7	3	2	-	-	-	-	-	-	-	-	1	-	-	1		
St. Anne Soho HHHHHH - N.R.		16008	6	6	4	-	-	-	1	-	1	-	-	-	1	-	-	-		
NORTH DISTRICTS.																				
All Souls Marylebone HHHHH W.M.		26759	18	8	1	1	-	1	-	-	-	-	-	-	-	1	1	6		
Cavendish Square HHHH - W.M.		14381	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rectory Marylebone WH G.J. & W.M.		24809	19	7	2	1	-	3	-	-	-	-	-	-	1	2	-	1		
St. Mary Marylebone HHH G.J. & W.M.		21118	22	12	2	1	-	3	-	-	-	-	-	-	-	1	1	-		
Christchurch Marylebone HHH - W.M.		33700	10	11	2	1	-	5	-	-	-	-	-	-	-	-	-	-		
St. John Marylebone H - W.M.		33633	15	8	5	-	-	2	-	-	-	-	-	-	-	-	-	-		
Hampstead WwHHHH N.R. & W.M.		45452	25	22	4	3	-	3	-	5	-	-	-	-	3	-	1	10		
Regent's Park Pancras H - W.M.		39115	12	8	1	1	-	-	-	-	1	-	-	-	1	1	-	-		
Tottenham-court WHHHH N.R. & W.M.		27729	4	15	1	1	-	-	-	-	-	-	-	-	-	-	9	-		
Gray's Inn Lane HHH - N.R.		30247	14	11	1	2	-	-	-	-	1	-	-	-	1	-	1	-		
Somers Town H - N.R.		34369	21	10	5	2	-	-	-	-	-	-	-	-	1	-	2	-		
Camden Town WH - N.R.		17311	17	6	2	2	-	-	-	-	-	-	-	-	2	-	2	3		
Kentish Town W - N.R.		37457	40	23	8	3	-	1	-	-	-	-	-	-	2	-	2	4		
Upper Holloway WWH - N.R.		37946	46	28	9	4	-	-	-	-	-	-	-	-	3	1	4	9		
Islington South-west HH - N.R.		100676	62	34	9	5	-	3	1	-	3	-	-	-	3	1	4	9		
Islington South-east - N.R.		61825	36	19	5	5	-	1	-	-	3	-	-	-	1	-	-	-		
Highbury H - N.R.		52048	17	9	-	3	-	-	-	1	-	-	-	-	-	-	1	1		
Stoke Newington H - N.R.		22731	14	5	1	2	-	1	-	-	-	-	-	-	-	-	-	-		
Stamford Hill - E.L.		2277	11	5	1	2	-	1	-	-	-	-	-	-	-	-	-	-		
West Hackney H - N.R.		37610	30	10	2	2	-	2	-	-	-	-	-	-	-	-	-	-		
Hackney WwHHH - E.L. & N.R.		76911	53	49	8	9	-	-	3	1	3	-	1	-	2	-	1	10		
South Hackney - E.L.		39883	19	9	4	2	-	-	-	-	1	-	-	-	1	-	-	-		
CENTRAL DISTRICTS.																				
St. George Bloomsbury - N.R.		16681	13	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - N.R.		14884	7	3	-	2	-	-	-	-	-	-	-	-	-	-	1	2		
St. Giles North - N.R.		13887	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Martin-in-the-Fields HH N.R. & C.		17508	3	7	1	2	-	-	-	-	-	-	-	-	-	1	1	3		
St. Mary-le-Strand H - N.R.		7515	4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Dances H - N.R.		8559	5	6	1	1	-	1	-	1	-	-	1	-	2	-	2	4		
Strand Union Workhouse, Edmonton w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Geo. the Martyr HHHHHH N.R.		15871	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
St. Andrew Eastern W - N.R.		10706	3	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
RAFON Hill H - N.R.		6533	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - N.R.		17516	8	4	1	-	-	-	-	-	-	-	-	-	1	-	1	-		
Annex Clerkenwell - N.R.		19281	9	6	1	1	-	-	-	-	1	-	-	-	-	-	-	-		
Pentonville - N.R.		14773	8	6	-	1	-	1	-	-	-	-	-	-	-	1	1	-		
Goswell-street - N.R.		17506	11	5	2	1	-	-	-	-	1	-	-	-	-	-	-	-		
Old-street H - N.R.		11541	9	5	1	1	-	-	-	-	1	-	-	-	-	-	-	-		
City-road HHL - N.R.		18628	23	8	1	3	-	-	-	-	-	-	-	-	-	-	1	2		
Whitecross-street - N.R.		9217	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury - N.R.		7463	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
Holborn Union Workhouse, Mitcham, w.		-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - N.R. & E.L.		11174	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate - N.R.		7193	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - N.R.		3386	4	13	1	4	-	1	-	-	-	-	-	-	-	2	2	9		
St. Bride W - N.R.		8396	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Alhallowes Barking - N.R.		13566	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ground Street H - N.R.		5552	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishments receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Companies which supply the different sub-districts:—J. J., J. & Co. Great Junction Company; W. M., West Middlesex; G. Chertsey; S. Southwark and Vauxhall; L. Lambeth; N. R., New River; E. L., East London; and K., the Kent Company.

MEASLES, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
 day. 28th June, 1890.

The DEATHS registered in the Week include:																		
REGISTRATION		Enu- me- rated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from												Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.		
EAST DISTRICTS.																		
St. John South	HL*	-	22343	16	9	1	1	-	-	1	-	-	-	-	1	2		
St. John New Town	W	-	29987	15	8	3	3	-	-	1	-	-	-	1	1	3		
St. John Old Town	-	-	26636	26	19	2	2	-	-	-	-	-	-	1	4	6		
St. John Garrison	WH	-	46276	16	18	5	5	-	2	-	-	-	-	-	-	-		
St. John Green North	H	-	51157	45	12	8	1	-	-	-	-	1	1	-	-	-		
St. John Green South	-	-	34399	25	7	5	1	-	-	-	-	-	1	-	1	-		
St. John Green East	WHL*	-	41405	26	14	4	2	-	-	-	-	1	-	1	5	-		
St. John Fields	-	-	22585	22	5	4	-	-	-	-	-	-	-	-	1	-		
St. John End New Town	W	-	15473	19	12	2	4	-	1	-	-	-	2	-	2	3		
St. John Michael Church	H	-	17490	12	23	3	2	-	1	-	-	-	1	1	1	20		
St. John St. John's Fields	-	-	9713	5	6	2	-	-	-	-	-	1	-	2	-	-		
St. John St. John's	-	-	6102	4	3	2	-	-	-	-	-	1	-	-	-	-		
St. George's, North	-	-	38747	27	13	6	2	-	-	-	2	-	1	1	4	-		
St. George's, St. George East	W	-	8410	6	9	2	4	-	-	-	-	-	-	-	7	-		
St. John Well	H	-	10995	4	12	7	1	-	1	-	2	-	-	2	4	-		
St. John House	-	-	16107	9	5	-	-	-	-	-	-	-	-	1	-	-		
St. John House	-	-	32041	24	5	2	-	-	-	-	-	-	-	-	-	-		
St. John End Old Town West	H	-	37960	36	7	4	1	-	-	-	-	1	-	-	-	-		
St. John End Old Town East	WHLH-E.L.	-	67653	44	38	9	10	-	-	-	-	2	-	4	8	-		
St. John Field	-	-	37074	17	15	2	3	-	3	-	-	-	-	2	2	2		
St. John Field	H	-	61359	42	27	5	6	-	-	1	1	-	-	2	15	-		
St. John Field	WHH	-	55077	33	13	5	3	-	1	-	1	-	-	-	1	-		
SOUTH DISTRICTS.																		
St. John St. John's Southwark	WH	L. & S.	18663	10	5	-	2	-	-	-	-	-	-	-	1	-		
St. John St. John's Southwark	-	S.	14999	7	8	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	-	S. & L.	21831	9	8	-	1	-	-	-	-	-	-	-	1	-		
St. John St. John's Southwark	WH	S. & L.	15963	11	11	4	1	-	1	-	-	-	-	-	2	-		
St. John St. John's Southwark	HL	S. & L.	23118	11	8	6	1	-	-	-	-	1	-	-	1	-		
St. John St. John's Southwark	-	S. & L.	26672	18	9	4	1	-	-	-	-	1	-	2	-	-		
St. John St. John's Southwark	W	S. & L.	59255	35	14	3	5	-	4	-	-	-	-	-	2	-		
St. John St. John's Southwark	-	L. & S.	21623	21	6	4	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	-	S.	11956	11	16	2	2	-	-	1	-	-	-	8	3	13		
St. John St. John's Southwark	-	S. & L.	16500	14	8	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	W	S.	15699	13	10	4	2	-	-	-	-	-	1	1	1	-		
St. John St. John's Southwark	-	S.	15482	25	9	2	1	-	-	1	-	-	-	-	-	-		
St. John St. John's Southwark	WH-	S. & K.	36024	21	10	1	2	-	2	-	2	-	-	-	1	-		
St. John St. John's Southwark	-	L. & S.	15195	13	6	5	-	-	1	-	1	-	-	-	1	-		
St. John St. John's Southwark	H	L. & S.	18361	17	4	1	-	-	-	-	-	-	-	-	2	-		
St. John St. John's Southwark	2nd H	L. & S.	19876	16	4	8	-	-	-	-	-	-	1	3	4	-		
St. John St. John's Southwark	2nd WW	L. & S.	39659	27	17	6	3	-	3	-	-	-	1	8	5	-		
St. John St. John's Southwark	2nd	S. & L.	45322	41	11	6	1	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	2nd	S. & L.	35332	11	10	2	3	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	2nd	L. & S.	62827	47	8	-	4	-	-	-	-	-	-	-	1	-		
St. John St. John's Southwark	2nd	L.	19017	13	3	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	-	S.	54675	43	27	14	1	-	-	-	1	-	1	2	3	-		
St. John St. John's Southwark	WHL	S.	52687	45	26	9	11	-	7	-	-	-	2	1	5	-		
St. John St. John's Southwark	H	S.	36380	21	15	6	3	-	3	-	-	-	1	1	1	-		
St. John St. John's Southwark	WHL	S.	28004	27	10	3	1	-	2	-	1	-	1	1	2	-		
St. John St. John's Southwark	-	S.	13235	7	3	1	1	-	-	-	-	-	1	-	-	-		
St. John St. John's Southwark	-	L.	25553	18	8	1	2	-	-	-	1	-	-	-	-	-		
St. John St. John's Southwark	-	L. & S.	5590	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL*	S. & L.	32041	34	22	1	9	-	1	-	-	-	-	1	1	9		
St. John St. John's Southwark	W	S., L., & K.	71089	61	15	6	4	-	-	-	1	-	1	2	1	-		
St. John St. John's Southwark	-	L. & S.	50810	45	16	5	3	-	1	-	-	-	1	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. John St. John's Southwark	WHL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page) :—

- [illegible]

On 1st April, 1890 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 28th June, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,957	755	349	63	86	-	15	-	4	16	5	6	19	28	43	
80:1	Carshalton <i>wL</i>	-	12228	21118	15	4	-	2	-	-	-	-	-	-	-	-	1	
2	Epsom (part of)* <i>WwH</i>	-	9971	10710	7	6	-	2	-	-	-	1	-	-	-	-	4	
37:1	Godstone (part of)*	-	2754	1235	-	1	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i>	-	20851	101241	77	37	8	10	2	-	-	-	-	-	2	6	3	
2	Mitcham <i>w†</i>	-	11097	17932	7	3	-	-	1	-	-	-	-	-	1	1	-	
39:1	Wimbledon <i>HHH</i>	-	3220	15950	16	6	-	3	1	-	-	-	-	-	-	-	1	
2	Kingston <i>WHH</i>	-	8549	36354	21	12	1	6	-	-	-	-	-	-	-	1	5	
3	Esher (part of)*	-	6901	9231	4	-	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i>	-	4573	13539	8	3	-	3	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i>	-	2272	21302	16	5	1	2	-	-	-	-	-	-	1	1	1	
2	Mortlake	-	2041	12331	14	5	3	-	-	-	-	1	-	-	1	2	-	
41:1	Bromley (pt. of)* <i>HH</i>	-	15699	31142	19	11	1	4	-	-	-	-	-	-	1	1	-	
2	Chislehurst (pt. of)* <i>WHH</i>	-	14307	15844	10	4	-	3	-	-	-	-	-	-	-	-	2	
42:1	Bexley <i>H</i>	-	13437	24134	11	9	2	3	-	-	-	-	-	-	-	-	-	
2	Dartford ( <i>Ww</i> , pts. of)*†	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>w</i>	-	11055	11685	6	5	1	3	-	-	-	-	-	-	-	1	-	
2	Staines <i>W</i>	-	13277	12089	7	5	-	1	-	-	-	1	-	-	1	1	-	
125:1	Hillingdon <i>WHH</i>	-	6029	10802	5	3	-	-	-	-	-	-	-	-	-	-	2	
2	Uxbridge	-	6178	3225	2	1	-	1	-	-	-	-	-	-	1	1	-	
3	Hayes <i>wHL</i>	-	14587	11823	9	6	-	2	-	-	-	-	-	-	-	-	4	
126:1	Isleworth <i>WHH</i>	-	7008	22727	15	10	1	4	-	-	-	1	-	-	-	-	5	
2	Twickenham <i>H</i>	-	2477	12479	11	3	-	2	-	-	-	-	-	-	-	-	1	
3	Brentford <i>HL</i>	-	4945	27649	14	8	1	2	-	-	1	-	-	1	-	1	-	
4	Chislewick	-	1340	15975	12	2	1	-	-	-	-	-	-	1	-	-	-	
5	Acton <i>wH</i>	-	6083	22876	7	8	1	1	-	-	-	-	-	-	1	2	-	
127:1	Harrow <i>H</i>	-	13309	12796	9	2	-	1	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i>	-	6994	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden	-	4383	27453	34	18	6	-	5	-	-	-	-	1	1	1	-	
4	Hendon <i>W</i>	-	8332	10484	7	8	1	2	-	1	-	-	-	-	1	1	2	
137:1	Bushey	-	9331	6621	2	2	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	1	
138:1	South Mimms	-	15099	6391	7	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet	-	5133	10092	11	-	-	-	-	-	-	-	-	-	-	-	-	
3	Finchley <i>HL</i>	-	4638	17615	8	9	2	2	-	1	-	-	-	-	-	-	5	
139:1	Hatfield (part of)*	-	3206	533	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i>	-	3039	37078	53	11	4	1	-	-	-	-	-	-	1	1	-	
2	Tottenham <i>H</i>	-	4642	40456	59	28	6	4	-	3	-	1	4	2	-	1	1	
3	Edmonton <i>Ww</i>	-	7453	23463	11	11	2	3	-	-	-	-	-	1	2	1	2	
4	Enfield <i>WH</i>	-	12653	19104	16	6	1	1	-	1	-	-	-	-	-	-	1	
5	Waltham Abbey	-	11017	5363	4	3	-	1	-	-	-	-	-	-	-	-	-	
6	Cheshunt	-	8490	7735	1	3	-	1	-	-	-	-	-	-	-	-	-	
130:1	Stratford	-	882	38905	24	8	1	-	-	-	-	-	-	1	-	2	-	
2	West Ham <i>wvH</i>	-	4055	90347	92	40	9	7	-	-	-	-	-	-	1	2	2	
3	East Ham <i>wv</i>	-	3296	10703	22	2	-	-	-	-	-	-	-	-	-	-	-	
4	Leyton <i>WwL</i>	-	4372	32430	42	13	8	4	-	-	-	5	-	-	-	-	3	
5	Walthamstow <i>H</i>	-	6530	28899	35	15	-	3	-	-	1	2	1	-	-	1	-	
137:1	Chigwell (part of)* <i>H</i>	-	11761	9669	8	3	-	1	-	-	-	-	-	1	-	-	-	
2	Epping ( <i>W</i> , pt. of)*	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of)* <i>W</i>	-	6730	3411	-	2	2	-	-	-	-	-	-	-	-	-	-	
2	Ilford	-	5493	7845	4	1	-	-	-	-	1	-	-	-	-	-	-	
3	Barking Town	-	4127	9203	10	1	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 39: 2, Epsom sub-district, except the parishes of Asatstead and Headley (pop. 1235); 37: 1, the parishes of Warrington and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cudham, Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 3751); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). ‡ Exclusive of deaths of London residents in Metropolitan Asylum Hospital (see Table 5). § Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchester Hill (see Table 5).

|| On 1st January, the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 28th June, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			Deaths in Public Institutions.
			From All Causes.	From Diseases in Cols. 3-14.														
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
GREATER LONDON	448,334	5,758,500	15.3	2.6	1695	402	354	-	116	7	28	63	16	57	63	342		
INNER LONDON	77,410	4,421,661	15.9	2.9	1346	339	268	-	101	7	24	52	11	51	49	299		
OUTER RING	370,924	1,336,839	13.6	1.8	349	63	86	-	15	-	4	16	5	6	19	43		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 10.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,308 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CUTTA -	33,219	May	10	233	23.0	14	1	-	-	1	82	29†	
IBAT -	773,196	June	27	351	19.6	1	5	-	-	-	125	22	
DEAS -	398,777	May	3	343	19.2	5	15	-	-	-	118	11	
IS -	2,260,945	June	9	320	40.7	5	11	-	-	-	114	34	
IS -	477,288	June	16	327	39.2	2	64	2	36*	10	11	63	
8 Faubourgs.)	2,260,945	June	21	1055	20.8	2	64	2	36*	10	11	63	
BERDAM -	406,302	"	21	263	17.5	2	3	-	-	1	2	20	
BERDAM -	203,486	"	21	271	13.1	-	1	-	2	1	2	1	
HAGUE -	156,497	"	21	117	72	-	-	-	-	-	-	-	
ENHAGEN -	312,387	"	21	79	58	-	2	-	-	-	-	2	
CKHOLM -	236,350	"	21	201	139	-	9	8	6	6	1	9	
ISTIANIA -	143,800	"	14	151	110	-	-	7	3*	1	-	16	
PETERSBURG	924,466	"	21	58	58	-	1	-	4	-	-	7	
ERLIN -	1,526,887	"	14	-	478	27.0	1	21	38	6	3	9	51
EMBURG (State)	675,276	"	7	900	638	23.2	-	39	7	20	13	2	110
EDEN -	269,250	"	14	419	223	20.2	-	6	2	8*	1	4	16
ELAU -	324,400	"	14	162	103	19.9	-	5	-	6*	-	6	
NICH -	298,000	"	21	237	145	23.4	-	-	3	5*	-	4	28
NNA -	822,176	"	21	235	175	30.5	-	3	5	6*	1	-	47
AGUE -	314,425	"	21	500	349	22.1	1	14	-	5	1	1	23
DA-PRESTH -	463,017	"	21	-	180	29.9	-	15	7	3	2	1	5
ESTE -	160,092	"	14	234	300	33.7	-	1	-	11	2	2	29
ESTH -	418,217	"	21	107	63	20.1	-	-	1	2*	-	-	5
ERIN (11 days)	314,827	May	24	159	159	20.8	-	6	-	3	1	4†	11
ERIN (11 days)	314,827	"	31	235	192	20.2	1	3	-	3	2	3	14
ERIN (11 days)	156,515	June	7	85	62	20.7	6	-	-	-	-	2	6
ERIN (11 days)	374,838	"	12	341	329	45.6	-	1	-	2*	-	21	118
EXANDRIA -	231,396	"	12	157	166	37.3	2	-	-	2*	-	10	43
W YORK -	1,595,547	"	7	-	821	26.5	-	37	13	23	13	3	36
OOKLYN -	859,612	"	7	-	360	21.9	-	3	3	25	7	4	10
ILADDELPHIA -	1,064,277	"	7	-	465	22.8	-	5	6	7	5	4	25
IMMORSE -	500,343	"	14	-	294	30.6	-	6	-	3	2	5	95
W ORLEANS -	254,000	May	17	-	135	27.7	-	1	-	4	-	7	11

\* Including deaths from croup.

† Including 14 deaths from cholera.

‡ Including 13 from malarial fever.





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# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,  
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No. 27. 1890. VOL. LI.] WEEK ENDING SATURDAY, JULY 5. [Price 1½d.

General Register Office, Somerset House,  
7th July, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17·4 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	June 14.	June 21.	June 28.	July 5.		June 14.	June 21.	June 28.	July 5.
Birkenhead	17·9	14·9	17·4	18·4	Liverpool -	20·7	21·9	18·6	16·7
Birmingham	17·2	18·6	19·1	16·9	London -	16·2	16·4	15·9	17·5
Blackburn -	17·7	18·1	22·8	14·3	Manchester -	26·2	29·0	27·1	25·3
Bolton -	20·7	23·9	18·9	25·2	Newcastle-on-Tyne	21·1	25·6	23·7	18·9
Bradford -	17·1	18·4	10·6	20·2	Norwich -	14·2	20·2	19·1	12·6
Brighton -	10·5	11·8	14·8	6·7	Nottingham -	9·6	12·6	11·3	14·1
Bristol -	11·5	13·7	13·2	12·1	Oldham -	17·8	19·2	16·7	16·3
Cardiff -	12·9	14·3	10·7	21·8	Plymouth -	23·8	22·5	14·6	17·2
Derby -	14·0	15·5	14·5	14·5	Portsmouth -	19·3	18·6	12·4	12·8
Halifax -	20·3	19·1	15·9	18·4	Preston -	16·9	16·9	22·3	21·3
Huddersfield	14·9	18·8	19·9	14·4	Salford -	18·5	19·4	20·4	17·8
Hull -	15·1	15·9	14·6	14·6	Sheffield -	21·0	24·4	19·6	16·1
Leeds -	17·9	14·9	19·2	20·4	Sunderland -	19·5	20·2	17·2	17·6
Leicester -	13·2	14·9	14·5	16·6	Wolverhampton -	22·5	16·3	17·5	13·8

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Birmingham and in Derby, 1·2 in London and 1·3 in Plymouth; from *whooping-cough*, 1·1 in Norwich; and from *diarrhoea*, 2·7 in Leicester and 4·0 in Preston. The rates from *scarlet fever* and from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 29 deaths from *diphtheria* included 21 in London and 2 in Salford. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2480 BIRTHS and 1481 DEATHS were registered. Allowing for increase of population, the births were 202, and the deaths 85, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been 16·4 and 15·9 in the two preceding weeks, rose last week to 17·5. During the thirteen weeks of the past quarter the death-rate per 1000 averaged 17·3, which was 1·3 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1481 deaths included 100 from measles, 13 from scarlet fever, 21 from diphtheria, 57 from whooping-cough, 6 from enteric fever, 2 from ill-defined forms of continued fever, 85 from diarrhoea and dysentery, 4 from cholera and choleraic diarrhoea, and not one from small-pox or from typhus; thus, 288 deaths were referred to these diseases, being 29 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 14; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had fluctuated in number in the four preceding weeks between 91 and 101, were 100 last week, exceeding the corrected average by 43. The fatal cases of *scarlet fever*, which had been 15 and 7 in the two previous weeks, increased again last week to 13, but were 16 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1283 scarlet-fever patients at the end of last week, the numbers on the four preceding Saturdays having increased from 1133 to 1247; 150 cases were admitted during the week, against 143 and 136 in the two preceding weeks. The deaths from *diphtheria*, which had been 19 and 24 in the two previous weeks, declined again last week to 21, but exceeded the corrected average by 3. The 57 deaths from *whooping-cough* exceeded the number in the previous week by 5, and the corrected average by 6. The 85 deaths from *diarrhoea* showed a marked increase on the numbers in recent weeks, being, however, 44 below the corrected average; 77 were of children under five years of age. The deaths of an infant and three adults were attributed to "choleraic diarrhoea" or to "English cholera."

The deaths referred to *enteric fever*, which had numbered 6 and 9 in the two previous weeks, declined again last week to 6, being but half the corrected average. The Metropolitan Asylum Hospitals contained 48 cases of enteric fever, and 4 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 14 and 6 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had declined from 240 to 206 in the three preceding weeks, increased again last week to 244, and exceeded the corrected average by 43.

Different forms of violence caused 55 deaths, concerning all but 3 of which inquests were held. Of these 55 deaths, 4 were cases of suicide, and one of manslaughter, while the remaining 50 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 2 by poison, 8 by drowning, and 10 (including 8 of infants aged under one year) by suffocation. The death of a male, aged 13 years, which occurred on 28th June, was certified to have resulted from "sun-stroke, 2 days, 12 hrs.; convulsions."

#### GREATER LONDON.

In Greater London 3221 births and 1820 deaths were registered, corresponding to annual rates of 29·2 and 16·5 per 1000 of the estimated population. In the Outer Ring 16 deaths from whooping-cough, 11 from measles, 8 from diphtheria, and 7 from diarrhoea were recorded. The deaths from whooping-cough included 4 in Tottenham and 3 in Edmonton sub-districts; in Tottenham sub-district 4 deaths from measles and 3 from "fever" were also reported. Two deaths from diphtheria occurred in West Ham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·47 ins.; the highest reading was 29·73 ins. on Sunday at noon, and the lowest 29·02 ins. on Monday afternoon. The mean temperature of the *air* was 55°·7, and 5°·8 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency on Saturday amounting to 10°·5. The general direction of the *wind* was variable, and the horizontal movement of the air averaged 10·7 miles per hour, which was 0·3 of a mile above the average in the corresponding weeks of 16 years. *Rain* fell on six days of the week to the aggregate amount of 1·77 inches. The duration of registered bright sunshine in the week was 23·5 hours, against 32·2 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 5th July 1890.

CITIES AND BOROUGH.	Cols.	Registered during the Week ending 5th July, 1890.		The Deaths registered in the Week include												Deaths of				TEMPERATURE OF THE AIR.												RAINFALL.		CITIES AND BOROUGH.																																																																																																																																																																																																																																					
		1.	2.	3.	4.	5.	Deaths from								Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes of Death.	From All Causes.	Mean.																																																																																																																																																																																																																																												
							Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.													Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.		Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	Persons aged 60 Years and upwards.	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\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-SEVENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2510	2408	2443	2478	2458	2420	2458	2562	2348	2507	2681·7	2480
Males . . .	1268	1216	1244	1284	1262	1199	1208	1265	1206	1285	1356·2	1300
Females . .	1242	1192	1199	1194	1196	1221	1250	1297	1142	1222	1325·5	1180
<b>TOTAL Deaths</b>	1326	1585	1293	1521	1508	1412	1540	1610	1211	1350	1565·5	1481
Males . . .	679	809	683	774	773	756	812	866	627	720	818·3	792
Females . .	647	776	605	747	735	656	728	744	584	630	747·2	689

\* The numbers in this column are the average weekly numbers in the twenty-seventh weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.
<b>TOTAL Births</b>	2360	2935	2538	2613	2308	2468	2443	2091	2399	2477	2516	2359	2480
<b>TOTAL Deaths</b>	1619	1611	1567	1533	1469	1466	1451	1411	1393	1375	1387	1346	1481
<b>Ages at</b>													
{ 0-20 years	774	782	742	721	710	707	739	713	667	658	672	669	793
{ 20-40 "	204	177	197	210	170	173	166	186	186	172	177	155	165
{ 40-60 "	275	282	255	227	243	261	235	222	250	229	239	254	239
<b>Death</b>													
{ 60-80 "	308	291	313	305	274	257	239	244	235	247	243	220	237
{ 80 years & upwards	58	79	60	70	70	63	72	46	55	69	51	43	47
<b>"</b>													
{ Under 1 year	372	356	369	337	360	339	335	349	285	297	318	339	423
{ 1-5	298	322	286	294	251	266	307	250	280	267	262	253	281
{ 5-20	104	104	87	90	101	102	97	114	102	94	92	74	89
<b>Deaths from Small-pox</b>	-	-	-	1	-	-	1	-	-	-	-	-	-
" " Measles	54	65	61	67	62	70	94	83	91	100	99	101	100
" " Scarlet fever	12	13	17	15	12	17	15	14	11	11	15	7	13
" " Diphtheria	21	17	20	18	25	21	24	25	20	24	19	24	21
" " Whooping-cough	79	106	88	86	99	88	91	78	75	59	66	52	57
" " Typhus	1	-	-	1	-	-	-	1	1	-	-	2	-
" " Enteric fever	4	8	6	6	3	8	6	3	7	11	6	9	6
" " Simple Cont <sup>d</sup> fever	-	-	1	-	-	2	-	-	1	1	1	-	2
" " Diarrhoea and	10	11	13	21	11	17	10	10	8	15	24	51	85
" " Dysentery	-	-	-	-	-	-	1	-	1	-	2	2	4
" " all the above-mentioned Diseases	181	220	206	215	212	223	242	214	215	221	232	248	283
" " Dis. of Respira- tory System	384	380	345	326	301	300	294	259	229	240	215	206	244
" " Phthisis	174	189	154	143	139	154	117	116	138	133	131	136	115
" " Dis. of Circula- tory System	151	133	119	140	132	124	121	117	131	122	120	99	105
<b>Violent Deaths</b>	60	41	61	61	62	45	66	64	50	36	54	49	55
<b>Inquest Cases</b>	133	105	125	124	134	100	119	123	109	87	86	90	96
<b>Deaths in Public Institutions</b>	382	338	374	342	326	376	324	328	331	327	314	299	310
<b>TEMPERATURE OF THE AIR</b>													
Mean	43·2	46·1	47·1	50·7	52·4	55·3	53·3	54·0	56·5	56·6	59·3	60·6	55·7
Mean of Highest readings	52·0	53·8	56·7	62·2	61·6	67·4	71·0	65·9	67·0	67·9	70·9	71·5	66·6
Mean of Lowest readings	37·0	39·9	40·1	38·9	44·6	45·6	45·6	44·0	43·1	48·1	49·8	52·5	43·6
<b>Humidity of the Air</b>	72	81	82	67	80	69	65	65	76	81	76	82	84
<b>Rain-fall in inches</b>	0·29	0·38	1·00	0·07	0·56	0·56	0·14	0·07	0·31	0·76	0·38	0·78	1·77
<b>Registered Sunshine (in hours)</b>	22·0	27·0	15·9	63·9	14·2	54·0	71·2	51·9	25·1	28·4	29·3	36·2	23·5

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—P. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIllandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-SEVENTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 27th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 5th July 1890.										CAUSES OF DEATH.	Corrected Averages for the 27th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 5th July 1890.											
		Deaths of Persons of the Ages												Deaths of Persons of the Ages											
		ALL AGES.												ALL AGES.											
		0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	0-1.	1-5.	5-20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.								
ALL CAUSES -	1565.5	1481	423	281	89	165	239	237	47		Diseases of Organs of Special Sense † -	2.5	1	-	1	-	-	-	-	-	-	-	-	-	-
Small-pox { Vaccinated † -	3.8	-	-	-	-	-	-	-	-		Diseases of Circulatory System -	101.4	105	-	1	5	14	34	46	5					
Small-pox { Unvaccinated -	5.7	-	-	-	-	-	-	-	-																
Small-pox { No Statement -	4.1	-	-	-	-	-	-	-	-																
Measles -	56.9	100	23	70	7	-	-	-	-																
Scarlet Fever -	28.6	13	-	10	3	-	-	-	-																
Typhus -	0.7	-	-	-	-	-	-	-	-																
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-																
Influenza -	0.0	2	-	-	-	1	-	1	-																
Whooping-cough -	50.5	57	18	36	3	-	-	-	-																
Diphtheria -	18.2	21	2	11	8	-	-	-	-																
Simple Continued and Ill-defined Fever -	1.2	2	-	-	-	-	-	1	1																
Enteric Fever -	12.9	6	-	1	1	3	1	-	-																
Cholera and Chol. Diarr.	5.5	4	1	-	-	-	3	-	-																
Diarrhoea, Dysentery -	128.7	85	66	11	1	1	1	4	1																
Remittent Fever † -	0.4	1	-	-	-	-	-	-	1																
Hydrophobia -	0.0	-	-	-	-	-	-	-	-																
Glanders -	0.1	-	-	-	-	-	-	-	-																
Cowpox and Effects of Vaccination † -	0.0	-	-	-	-	-	-	-	-																
Veneral Affections -	10.1	10	5	1	-	2	1	1	-																
Erysipelas -	4.5	1	1	-	-	-	-	-	-																
Pyæmia and Septicæmia †	2.8	4	-	-	-	-	1	3	-																
Puerperal Fever -	5.7	3	-	-	-	3	-	-	-																
Other Zymotic Diseases †	1.9	-	-	-	-	-	-	-	-																
Thrush -	2.8	-	-	-	-	-	-	-	-																
Worms and other Parasitical Diseases -	0.2	1	-	-	-	-	-	1	-																
Starvation, Want of Breast-milk † -	1.6	3	2	-	-	-	-	1	-																
Alcoholism -	6.3	1	-	-	-	-	1	-	-																
Rheumatic Fever, Rheumatism of Heart †	7.4	4	-	-	3	1	-	-	-																
Rheumatism †	2.4	1	-	-	-	-	1	-	-																
Gout -	2.3	4	-	-	-	-	3	1	-																
Rickets †	5.1	6	3	3	-	-	-	-	-																
Cancer -	55.2	77	-	-	2	7	41	25	2																
Tubercular Meningitis -	37.2	26	20	5	-	-	-	1	-																
Phthisis -	28.6	30	7	19	4	-	-	-	-																
Serofula, Tuberculosis -	164.5	115	2	2	13	57	33	8	-																
Other Constitutional Diseases †	19.6	14	8	4	-	1	1	-	-																
Premature Birth -	11.0	11	-	-	1	2	4	4	-																
Atelectasis † -	32.3	42	42	-	-	-	-	-	-																
Congenital Malformations -	8.1	1	1	-	-	-	-	-	-																
Old Age -	5.0	5	4	1	-	-	-	-	-																
Apoplexy -	43.9	37	-	-	-	-	-	20	17																
Epilepsy -	40.8	35	2	-	-	3	15	14	2																
Convulsions -	7.6	7	-	-	-	3	2	1	1																
Other Diseases of Brain and Nervous System	53.9	51	46	4	1	-	-	-	-																
ALL CAUSES † -	92.9	79	22	10	6	1	11	24	5																

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 0.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRATION SUB-DISTRICTS.	Enume- rated Popu- lation, 1881.	The DEATHS registered in the Week include													
		Total Births.	Total Deaths.	Deaths of				Deaths from							
				Infants under Year of Age.	Persons aged 50 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.
LONDON	3,815,704	2480	1481	423	284	-	100	13	21	57	-	6	2	85	55
WEST DISTRICTS.															
St. Mary Paddington WHH G.J. & W.M.	69888	37	24	7	6	-	2	-	-	1	-	-	-	2	3
St. John Paddington H - - G.J.	37880	8	12	1	3	-	-	-	-	-	-	1	-	3	7
Kensington Town Ww - - W.M.	180141	59	50	13	10	-	8	-	-	1	-	-	-	6	1
Brompton H - - W.M. & C.	49010	12	9	2	2	-	-	-	1	-	-	-	-	1	10
St. Peter Hammersmith - - W.M.	7599	6	1	-	-	-	-	-	-	-	-	-	-	-	4
St. Paul Hammersmith H W.M. & G.J.	64340	42	33	9	7	-	4	-	2	-	-	-	-	1	1
Fulham Ww - - W.M. & C.	42900	49	34	9	5	-	8	3	1	1	-	-	-	5	2
Chelsea South HHH - - C.	80396	10	15	5	2	-	2	-	1	-	-	-	-	1	4
Chelsea North-west WHHHH C.	24925	15	14	3	4	-	-	-	-	-	-	-	-	1	1
Chelsea North-east - - C.	32807	23	12	5	2	-	1	-	-	-	-	-	-	-	-
May Fair WW - - G.J.	80353	3	10	2	7	-	-	-	-	-	-	-	-	-	1
Belgrave WHH - - C.	59220	25	34	9	8	-	2	-	2	-	-	-	-	2	2
St. John Westminster HHH - - C.	35496	20	9	2	2	-	1	-	1	-	-	1	-	2	11
St. Margaret Westminster H - C.	24879	9	5	-	2	-	1	-	-	-	-	-	-	-	1
St. James Westminster WHH N.R. & G.J.	29941	9	7	1	2	-	-	-	1	2	-	-	-	-	1
St. Anne Soho HHHHHH - N.R.	16808	4	8	2	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.															
All Souls Marylebone HHHH W.M.	26759	7	5	2	-	-	-	-	-	-	-	-	-	-	3
Cavendish Square HHHH - W.M.	14891	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone WH G.J. & W.M.	24809	10	4	1	-	-	1	-	-	-	-	-	-	-	1
St. Mary Marylebone HHH G.J. & W.M.	21118	26	8	1	1	-	-	-	1	-	-	-	-	-	1
Christchurch Marylebone HHH - W.M.	33700	17	11	1	1	-	4	-	-	-	-	-	-	-	1
St. John Marylebone H - W.M.	33683	21	15	4	2	-	3	-	-	-	-	-	-	-	1
Hampstead WwWHHH N.R. & W.M.	45452	22	11	1	1	-	1	1	1	-	-	-	-	-	3
Regent's Park Panacea H - W.M.	59115	94	12	5	1	-	-	-	-	2	-	1	-	1	2
Tottenham-court WHHH N.R. & W.M.	27728	11	19	3	1	-	1	-	-	-	1	1	-	2	12
Gray's Inn Lane HHH - N.R.	30247	17	8	2	3	-	-	-	-	-	-	-	-	1	1
Somerset Town H - N.R.	34369	27	11	4	1	-	1	-	2	-	-	-	-	-	2
Camden Town WH - N.R.	17811	9	9	1	8	-	-	-	1	-	-	-	-	-	2
Kentish Town W - N.R.	37487	65	30	14	2	-	-	-	-	-	-	-	-	-	1
Upper Holloway WWH - N.R.	67946	73	29	7	9	-	-	-	1	-	-	-	-	1	16
Islington South-west HH - N.R.	100976	65	25	9	4	-	2	-	-	4	-	-	-	4	-
Islington South-east - N.R.	61825	31	24	6	6	-	1	-	-	4	-	-	-	1	-
Highbury H - N.R.	52045	32	16	2	5	-	-	-	-	1	-	-	-	2	3
Stoke Newington H - N.R.	22731	15	4	-	3	-	-	-	-	-	-	-	-	-	-
Stamford Hill - E.L.	9277	6	4	-	1	-	-	-	-	-	-	-	-	-	-
West Hackney H - N.R.	87610	83	10	4	1	-	2	-	1	1	-	-	-	2	-
Hackney WwWH - E.L. & N.R.	78911	58	56	8	2	-	2	6	4	1	-	-	-	3	15
South Hackney - E.L.	39853	29	13	5	2	-	-	-	-	-	-	-	-	-	-
CENTRAL DISTRICTS.															
St. George Bloomsbury - N.R.	16831	7	2	-	1	-	-	-	-	-	-	-	-	1	1
St. Giles South WH - N.R.	14864	6	10	2	2	-	-	-	-	-	-	-	-	1	2
St. Giles North - N.R.	13837	7	5	2	1	-	1	-	-	-	-	-	-	-	4
St. Martin-in-the-Fields HH N.R. & C.	17508	4	8	2	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand H - N.R.	7515	1	-	-	-	-	-	-	-	-	-	-	1	3	5
St. Clement Danes H - N.R.	8559	4	5	-	-	-	-	-	-	-	-	-	-	-	-
Strand Union Workhouse, Edmonton w.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
St. Geo.-the Martyr HHHHHH N.R.	18671	11	6	1	2	-	1	-	-	-	-	-	-	1	-
St. Andrew Eastern W - N.R.	10706	4	3	1	2	-	-	-	-	-	-	-	-	-	3
Saffron Hill H - N.R.	6538	2	3	1	1	-	-	-	-	-	-	-	-	-	1
St. James Clerkenwell - N.R.	17516	6	1	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - N.R.	19281	12	7	2	1	-	-	-	-	-	-	-	-	-	-
Pentonville - N.R.	14773	16	5	4	1	-	-	-	-	-	-	-	-	1	-
Goswell-street - N.R.	17506	11	6	3	1	-	-	-	1	-	-	-	-	4	-
Old-street H - N.R.	11541	13	2	1	-	-	-	-	-	1	-	-	-	1	-
City-road HHL - N.R.	18623	21	2	-	1	-	-	-	-	-	-	-	-	-	-
Whitecross-street - N.R.	9217	2	1	-	1	-	-	-	-	-	-	-	-	-	-
Finsbury - N.R.	7463	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham, w.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - N.R. & E.L.	11174	5	3	1	2	-	-	-	-	-	-	-	-	-	1
Cripplegate - N.R.	7193	3	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - N.R.	5858	-	13	-	2	-	-	-	-	-	-	-	-	-	-
St. Bride W - N.R.	8296	-	1	1	-	-	-	-	-	-	-	-	-	1	2
Allhallows Barking - N.R.	18666	5	3	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - N.R.	5532	2	2	1	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; LP—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishments Companies which supply the different sub-districts.—(J. J. signifies Great Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

MEASLES, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each Sub-district  
May, 5th July, 1890.

The DEATHS registered in the Week include:																													
REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Deaths of												Deaths from												Deaths in Public Institutions.	Uncertified Causes (of 1881)
SUB-DISTRICTS.				Total Deaths.	Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysip. (or Typhoid) Fever.	Simple con- tinued Fever.	Dysentery.	Violence.	Inquest Cases.												
EAST DISTRICTS.																													
High South	HL*	-	N.R.	22848	12	11	4	-	-	-	-	-	-	-	2	5	1												
New Town	W	-	N.R.	29937	17	19	3	3	-	-	-	-	-	-	-	-	7												
Old Town	-	-	N.R.	26036	17	9	6	-	-	-	-	-	-	-	-	-	8												
Ston	WH	-	N.R. & E.L.	45276	49	19	5	-	-	-	-	-	-	-	-	-	-												
Green North	H	-	E.L.	51157	30	28	13	3	-	-	-	-	-	-	-	-	-												
Green South	-	-	E.L.	34899	14	6	3	-	-	-	-	-	-	-	-	-	-												
Green East	WHL*	-	E.L.	41405	31	12	4	5	-	-	-	-	-	-	-	-	-												
Fields	-	-	E.L. & N.R.	22585	16	4	3	-	-	-	-	-	-	-	-	-	-												
nd New Town	W	-	E.L.	15472	25	10	2	-	-	-	-	-	-	-	-	-	6												
Chapel Church	H	-	E.L. & N.R.	17490	13	23	9	2	-	-	-	-	-	-	-	-	23												
an's Fields	-	-	E.L.	9713	6	-	-	-	-	-	-	-	-	-	-	-	-												
-	-	-	N.R. & E.L.	6103	6	3	-	-	-	-	-	-	-	-	-	-	-												
George's, North	-	-	E.L.	88747	22	19	10	3	-	-	-	-	-	-	-	-	-												
St. George East	W	-	E.L.	8410	3	12	1	1	-	-	-	-	-	-	-	-	-												
eli	H	-	E.L. & N.R.	10335	3	15	7	-	-	-	-	-	-	-	-	-	-												
-	-	-	E.L.	16107	18	8	4	2	-	-	-	-	-	-	-	-	-												
ouse	-	-	E.L.	32041	27	7	2	2	-	-	-	-	-	-	-	-	-												
nd Old Town West	H	-	E.L.	87960	39	8	3	-	-	-	-	-	-	-	-	-	-												
nd Old Town East	W & WH	-	E.L.	67653	47	25	3	9	-	-	-	-	-	-	-	-	-												
-	-	-	E.L.	37074	10	12	4	3	-	-	-	-	-	-	-	-	-												
ey	W & WH	-	E.L.	64359	48	28	8	4	-	-	-	-	-	-	-	-	-												
-	-	-	E.L.	55077	39	11	2	3	-	-	-	-	-	-	-	-	-												
SOUTH DISTRICTS.																													
Church Southwark	WH	L. & S.	18663	5	3	1	-	-	-	-	-	-	-	-	-	-	-												
our Southwark	-	S.	14999	8	8	2	-	-	-	-	-	-	-	-	-	-	-												
oad	-	S. & L.	21831	12	7	2	-	-	-	-	-	-	-	-	-	-	-												
gh-road	WH	-	S. & L.	15953	16	10	7	-	-	-	-	-	-	-	-	-	-												
gh-road	HL	-	L. & S.	23133	17	10	3	-	-	-	-	-	-	-	-	-	-												
Newington	-	S. & L.	35122	15	5	3	-	-	-	-	-	-	-	-	-	-	-												
er Walworth	W	-	S. & L.	59555	44	23	7	3	-	-	-	-	-	-	-	-	-												
er Newington	-	L. & S.	21223	18	16	7	5	-	-	-	-	-	-	-	-	-	-												
ve	WH	-	S.	11956	7	17	2	5	-	-	-	-	-	-	-	-	-												
er Market	-	S. & L.	16399	6	5	1	2	-	-	-	-	-	-	-	-	-	-												
ry Magdalen	W	-	S.	15659	15	7	7	5	-	-	-	-	-	-	-	-	-												
nes Bermondsey	-	S.	54383	26	25	6	3	-	-	-	-	-	-	-	-	-	-												
hiths	WH	-	S. & K.	86024	29	17	4	4	-	-	-	-	-	-	-	-	-												
oo-road 1st	H	-	L. & S.	15125	11	4	1	2	-	-	-	-	-	-	-	-	-												
oo-road 2nd	H	-	L. & S.	16351	30	8	3	-	-	-	-	-	-	-	-	-	-												
th Church 1st	H	-	L. & S.	19376	11	13	3	2	-	-	-	-	-	-	-	-	-												
th Church 2nd	W & WH	-	L. & S.	39859	25	24	8	3	-	-	-	-	-	-	-	-	-												
ngton 1st	-	S. & L.	45332	21	11	3	2	-	-	-	-	-	-	-	-	-	-												
a 2nd	W	-	S. & L.	35332	26	11	1	5	-	-	-	-	-	-	-	-	-												
nd W.	-	L. & S.	62337	26	15	4	4	-	-	-	-	-	-	-	-	-	-												
nd W.	-	L.	19017	13	4	3	-	-	-	-	-	-	-	-	-	-	-												
attersea	-	S.	54675	48	30	13	6	-	-	-	-	-	-	-	-	-	-												
attersea	W & WH	-	S.	53557	55	35	14	3	-	-	-	-	-	-	-	-	-												
am	W	-	S.	38390	23	7	3	-	-	-	-	-	-	-	-	-	-												
worth	WHL	-	S.	28004	29	13	3	4	-	-	-	-	-	-	-	-	-												
am	-	S.	18235	12	2	-	-	-	-	-	-	-	-	-	-	-	-												
am	-	L.	25563	29	9	4	1	-	-	-	-	-	-	-	-	-	-												
h	-	L. & S.	5590	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
rwell	W & L*	-	S. & L.	59104	42	32	2	11	-	-	-	-	-	-	-	-	-												
am	W	-	S., L. & K.	71089	59	20	4	4	-	-	-	-	-	-	-	-	-												
orge Camberwell	-	L. & S.	50810	57	13	6	2	-	-	-	-	-	-	-	-	-	-												
al Deptford	W & WH	-	K.	76752	52	32	15	2	-	-	-	-	-	-	-	-	-												
holas Deptford	-	K.	7901	2	-	-	-	-	-	-	-	-	-	-	-	-	-												
wich West	H	-	K.	21972	14	6	3	2	-	-	-	-	-	-	-	-	-												
wich East	WHL	-	K.	24603	24	12	3	5	-	-	-	-	-	-	-	-	-												
H	-	K.	5043	2	1	1	-	-	-	-	-	-	-	-	-	-	-												
Y	-	K.	21559	9	4	-	-	-	-	-	-	-	-	-	-	-	-												
am	WH	-	K.	19865	18	6	-	1	-	-	-	-	-	-	-	-	-												
am	H	-	L.	26076	12	10	3	2	-	-	-	-	-	-	-	-	-												
on	HL	-	K.	10930	12	7	2	1	-	-	-	-	-	-	-	-	-												
ish Dockyard	-	K.	17617	5	4	1	1	-	-	-	-	-	-	-	-	-	-												
ish Arsenal	HH	-	K.	19043	11	9	1	-	-	-	-	-	-	-	-	-	-												
ead, West	H	-	K.	14009	9	1	-	1	-	-	-	-	-	-	-	-	-												
ead, East	W	-	K.	12241	33	12	3	-	-	-	-	-	-	-	-	-	-												
Soliman Asylum Hospitals:																													
rford	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
schmore Hill	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												

Following Workhouse Establishments are indicated in the above Table by *w* (see note at foot of preceding page) :—

<p>Barnes Infirmary in Kensington Town sub-district.          London Lock Asylum in Tottenham Court road sub-district.          Horn Infirmary in Upper Holloway sub-district.          Horn City Workhouse " Mile End Old Town Eastern sub-dist.          " " Mile End Old Town Eastern sub-dist.          " " Mile End Old Town Eastern sub-dist.          " " Mile End Old Town Eastern sub-dist.          " " Mile End Old Town Eastern sub-dist.          " " Mile End Old Town Eastern sub-dist.</p>	<p>Stepney Workhouse in Bromley sub-district.          Poplar &amp; Stepney Sick Asylum " "          Westminster Union Industrial School in West Battersea sub-district.          St. Saviour's Infirmary in Camberwell sub-district.          Metropolitan Asylum District Hospitals at Finsbury, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.          Strand and Holborn Workhouses outside Registration London.</p>
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TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 5th July, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON—OUTER RING		370,924	950,957	741	339	86	82	-	11	1	8	16	4	7	7	17	44
30:1	Carshalton <i>wL</i> -	12228	21113	12	9	1	4	-	-	-	-	-	-	-	-	-	6
2	Epsom (part of)* <i>WwH</i>	9971	10710	2	1	-	-	-	-	-	-	-	-	-	1	1	-
37:1	Godstone (part of) * -	2754	1235	1	-	-	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon <i>Ww L</i> -	20851	101241	60	40	11	10	-	2	-	-	-	-	1	-	2	9
2	Mitcham <i>w†</i> -	11697	17932	8	3	-	2	-	1	-	-	-	-	-	-	-	-
39:1	Wimbledon <i>HHH</i> -	3220	15950	23	3	1	-	-	1	-	-	-	-	-	-	-	-
2	Kingston <i>WHH</i> -	8549	38354	23	9	2	2	-	-	-	-	-	-	-	-	1	1
3	Esher (part of) * -	6601	9221	8	3	1	-	-	-	-	-	-	-	-	-	-	-
4	Hampton <i>H</i> -	4573	13539	4	2	-	-	-	-	-	-	-	-	-	-	-	-
40:1	Richmond <i>WH</i> -	2372	21302	10	4	2	1	-	-	-	-	1	-	-	-	1	3
2	Mortlake -	2941	12331	10	3	2	1	-	-	-	-	-	-	-	-	1	-
41:1	Bromley (pt. of) * <i>HH</i>	15669	31142	14	12	4	3	-	-	-	1	1	-	-	-	2	-
2	Chislehurst (pt. of) * <i>WHH</i>	14307	16844	6	3	1	1	-	-	-	-	-	-	-	-	-	-
42:1	Bexley <i>H</i> -	12437	24134	19	13	2	8	-	-	-	-	-	-	-	-	-	-
2	Dartford ( <i>Ww</i> , pts. of)*†	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	2
124:1	Sunbury <i>w</i> -	11055	11638	7	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Staines <i>W-</i>	13277	12089	5	5	-	3	-	-	-	-	-	-	-	1	1	1
125:1	Hillingdon <i>WHH</i> -	6029	10802	10	1	1	-	-	-	-	-	-	-	-	-	-	-
2	Uxbridge -	6175	3225	4	2	1	1	-	-	-	-	-	-	-	1	1	-
3	Hayes <i>wHL</i> -	14587	11523	6	1	-	-	-	-	-	-	-	-	-	-	-	-
126:1	Isleworth <i>WHH</i> -	7008	22737	10	4	-	1	-	-	-	-	-	-	-	-	1	-
2	Twickenham <i>H-</i>	2477	12479	10	3	1	1	-	-	-	-	-	-	-	-	-	-
3	Brentford <i>HL</i> -	4345	27649	25	15	4	1	-	1	1	-	-	-	-	2	2	-
4	Chiswick -	1340	15975	12	3	1	-	-	-	-	-	-	-	-	-	-	-
5	Acton <i>wH</i> -	6083	22376	6	1	-	1	-	-	-	-	-	-	-	-	-	-
127:1	Harrow <i>H-</i>	13509	12796	9	1	1	-	-	-	-	-	-	-	-	-	-	-
2	Edgware <i>H</i> -	6994	3749	-	1	-	1	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	40	18	5	5	-	-	-	-	1	-	-	-	2	-
4	Hendon <i>W</i> -	8332	10494	9	13	2	5	-	1	-	-	-	-	1	-	-	7
137:1	Bushey -	9331	6821	4	1	-	1	-	-	-	-	-	-	1	-	-	-
2	Watford ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138:1	South Mimms -	15199	6591	5	2	-	1	-	-	-	-	-	-	-	1	1	-
2	Barnet -	5123	10022	6	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Finchley <i>HL</i> -	4638	17615	14	5	-	2	-	-	-	-	1	-	-	-	-	3
139:1	Hatfield (part of) * -	2306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140:1	Hornsey <i>H-</i>	3039	37078	29	13	2	3	-	1	-	-	-	-	-	-	-	-
2	Tottenham <i>H</i> -	4642	49456	51	29	6	4	-	4	-	1	4	3	1	-	-	1
3	Edmonton <i>Ww</i> -	7483	23463	19	9	1	-	-	-	-	-	3	-	-	-	-	1
4	Enfield <i>WH</i> -	12653	19191	17	3	1	1	-	-	-	-	-	-	-	-	-	-
5	Waltham Abbey -	11017	5892	2	2	-	1	-	-	-	-	-	-	-	-	-	-
6	Cheshunt -	8480	7731	2	3	2	-	-	-	-	-	-	-	-	-	-	-
146:1	Stratford -	892	33805	29	7	2	1	-	-	-	1	-	-	1	-	-	-
2	West Ham <i>wvH</i> -	4055	90347	124	38	15	4	-	-	-	2	2	1	1	1	1	-
3	East Ham <i>wv</i> -	3296	10703	15	7	2	-	-	-	-	-	-	-	-	-	-	-
4	Leyton <i>WwL</i> -	4372	32430	26	26	7	8	-	-	-	1	1	-	1	-	-	10
5	Walthamstow <i>H</i> -	6530	23859	29	8	2	1	-	-	-	-	1	-	-	-	-	-
137:1	Chigwell (part of) * <i>H</i>	11761	9653	6	2	-	1	-	-	-	1	-	-	-	-	-	-
2	Epping ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:1	Romford (part of) * <i>W</i>	6730	3411	-	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Rford -	2493	7045	4	4	1	-	-	-	-	1	-	-	-	-	-	-
3	Barking Town -	4127	9203	5	5	2	1	-	-	-	-	1	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Asenstead and Headley (pop. 1235); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1315); 41:2, Chislehurst sub-district, except the parish of Chislehurst (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 140:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 5th July, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include															
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from													
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.					
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.					
TER LONDON	448,334	5,758,500	16.5	3.0	1820	509	363	-	111	14	29	73	12	92	62	354					
TER LONDON	77,410	4,421,661	17.5	3.3	1481	423	284	-	100	13	21	57	8	85	55	310					
TER RING	370,924	1,336,839	13.2	1.8	339	83	82	-	11	1	8	16	4	7	7	44					

The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,308 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN.	BIRTHS.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
		Week ending	Exclusive of Stillborn.										
VITA -	33,219	May 17	-	-	-	-	-	-	-	-	-	-	-
AY -	773,196	June 10	257	316	17.7	2	6	?	?	?	115	14	
AS -	398,777	May 23	-	-	-	-	-	-	-	-	-	-	
-	2,260,945	June 28	1088	865	19.9	1	61	12	33*	13	9	62	
ELS - (Faubourgs.)	477,288	" 28	259	171	19.5	1	1	1	-	2	3	17	
ERDAM -	406,362	" 28	250	160	20.5	-	6	-	2	-	2	2	
ERDAM -	203,486	" 28	133	73	18.6	-	-	-	-	1	-	1	
HAGUE -	156,497	" 28	119	58	19.3	-	2	-	1	-	-	1	
WHAGEN -	312,387	" 26	173	130	21.7	-	12	3	7	2	-	10	
HOLM -	236,350	" 21	180	79	17.4	-	-	5	4*	1	-	11	
TIANIA -	143,300	" 28	48	59	21.4	-	-	-	5	-	-	11	
TERSBURG -	924,466	" 21	-	454	25.6	1	32	21	7	2	12	54	
IN -	1,526,887	" 14	822	662	22.3	-	22	5	31	16	2	116	
BURG(State)	1,75,276	" 21	456	237	23.3	-	11	2	6*	5	3	30	
ORN -	169,250	" 21	148	85	16.4	-	2	-	2*	-	-	4	
LAU -	324,400	" 28	247	176	23.5	-	-	5	4*	-	2	17	
CH -	298,000	" 28	235	186	32.5	-	4	1	11*	2	-	40	
LA -	622,176	" 28	505	362	22.9	1	20	1	8	4	1	28	
VE -	514,425	" 28	-	134	30.5	2	15	4	2	3	3	5	
PESTH -	463,017	" 21	296	277	31.1	-	3	2	16	-	1	52	
TH -	160,092	" 28	107	63	22.1	-	-	-	3*	-	1	7	
-	418,217	May 31	200	146	19.2	-	6	1	4	3	9†	11	
- (10 days)	314,827	June 10	242	159	18.9	-	1	-	1	3	4	24	
VE -	166,515	" 14	92	64	21.3	1	-	1	1	-	3	6	
-	374,838	" 19	-	-	-	-	-	-	-	-	-	-	
ANDRIA -	231,396	" 19	-	-	-	-	-	-	-	-	-	-	
YORK -	1,595,547	" 14	-	695	22.4	-	25	4	24	9	2	64	
LYN -	859,612	" 14	-	338	20.5	-	4	6	27	3	2	20	
DELPHIA -	1,064,277	" 14	-	482	23.6	-	3	1	9	2	11	54	
MORE -	500,343	" 21	-	254	26.4	-	2	1	2	-	4	79	
ORLEANS -	254,000	May 24	-	153	31.4	-	3	-	1	1	3	22	

\* Including deaths from croup.

† Including 6 from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 5th JULY, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		Phases of the Moon.	TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in Gauge whose surface is above the Ground.		Ozone.				
LABO- METER.	Mean daily temperature.		Of the Air.		De- parture Average of 2 years.	Of the Air Temperature and Dew Point Temperature.		Degrees equal midity (Satu- ration 100).	Of Radiation.		Of the Water of the Thames at Deptford.		Oler's.		Pressure on the Square Foot.		Robinson's.								
			High- est.	Low- est.		Daily Range.	Mean daily value.		Mean daily value.	Great- est.	Least.	High- est in Grass.	Low- est.	A.M.	P.M.	Great- est.	Least.	Mean hourly obs.	Horizontal Movement of the Air on each Day.	Depart- ure from Average of the 10 Years.					
JUNE.	JUNE.																								
SUN.	29	..	29-639	67-2	48-1	19-1	55-1	- 0-7	43-8	6-3	17-5	0-0	80	120-9	47-3	63-4	62-6	0-9	0-0	225	- 25	1-8			
MON.	30	..	29-083	60-1	49-6	10-5	55-2	- 6-4	54-5	0-8	7-4	0-0	97	122-0	45-0	63-6	62-6	2-2	0-0	306	+ 54	8-2			
TUES.	1	..	29-218	65-1	47-3	17-3	55-2	- 6-4	51-7	3-5	11-9	0-0	88	120-0	42-4	63-1	62-6	1-0	0-0	153	- 99	0-0			
WED.	2	Greatest Dec. S. Full.	29-644	71-1	50-9	20-2	59-3	- 2-2	52-3	7-0	18-5	0-8	78	123-0	42-1	62-9	62-6	0-2	0-0	193	- 53	0-0			
THURS.	3	Perigee.	29-025	60-3	50-0	19-3	57-6	- 3-8	49-8	7-8	16-6	1-0	75	136-5	40-0	63-2	62-6	2-0	0-0	299	+ 49	0-0			
FRI.	4	..	29-598	70-9	45-5	25-4	56-6	- 4-8	49-7	6-9	21-2	0-0	78	143-3	34-3	62-6	62-3	0-0	0-0	167	- 81	0-0			
SAT.	5	..	29-397	56-7	49-1	7-6	51-0	-10-5	49-0	2-0	8-0	0-0	93	71-8	48-0	62-2	61-5	4-7	0-0	458	+213	1-17			
MEANS	..	..	29-466	66-6	48-6	18-0	55-7	- 5-8	50-8	4-9	14-4	0-3	84	119-6	42-7	63-0	62-4	..	..	Sum 1891	+ 52	1-77			
No. of Col.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

DATE.		ELECTRICITY.		Registered Sun above Horizon.		GENERAL REMARKS.	
JUNE.		(For explanation of symbols, see Note.)		in hours.	in hours.		
SUNDAY	29	w. P. throughout	..	3-3	10-5	Fine; partially cloudy.	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to sea level.
MONDAY	30	w. P. generally	..	2-0	16-5	Overcast in morning; rain fell between 4h. A.M. and noon; fine and partially cloudy afterwards.	Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.
TUESDAY	1	w. P. in morning; m. N. and w. P. till evening; w. P. after- wards.	..	2-4	16-5	Variable. Gloomy between 8h. and 9h. A.M. Occasional showers, and a slight thunderstorm shortly after 1h. P.M.	The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.
WEDNESDAY	2	w. P.	..	2-3	16-5	Fine generally; partially cloudy. Distant thunder in afternoon. A shower about 5h. P.M.	In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.
THURSDAY	3	w. P. in morning; w. P. and w. N. alter- wards.	..	6-7	16-4	Fine generally. Showery between 11h. A.M. and 1h. P.M. Distant thunder about 2 1/2h. P.M. Cloudless at night.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.
FRIDAY	4	v. P. generally, with m. N. in evening.	..	5-9	10-4	Very fine in morning; overcast after 1h. P.M., and rain fell occasionally after 4h. P.M.	The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: +, P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.
SATURDAY	5	m. N. till afternoon; v. P. and w. N. alter- wards.	..	0-0	16-4	Overcast generally. Rain fell heavily throughout the morning; and occasional showers fell in the afternoon. Brisk wind. A very cold day.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.
				Sum	Sum		The reading of the barometer increased from 29-61 in. at the beginning of the week to 29-73 in. at the end of the week.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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General Register Office, Somerset House,  
14th July, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17·7 per 1000 of their aggregate population. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	June 21.	June 28.	July 5.	July 12.		June 21.	June 28.	July 5.	July 12.
Birkenhead	14·9	17·4	18·4	18·4	Liverpool - -	21·9	18·6	16·7	22·8
Birmingham	18·6	19·1	16·9	19·2	London - -	16·4	15·9	17·5	17·4
Blackburn -	18·1	22·8	14·3	18·1	Manchester -	29·0	27·1	25·3	23·1
Bolton -	23·9	18·9	25·2	24·3	Newcastle-on-Tyne	25·6	23·7	18·9	25·3
Bradford -	18·4	10·6	20·2	13·9	Norwich -	20·2	19·1	12·6	10·4
Brighton -	11·8	14·8	6·7	16·4	Nottingham -	12·6	11·3	14·1	12·8
Bristol -	13·7	13·2	12·1	11·0	Oldham -	19·2	16·7	16·3	19·9
Cardiff -	14·3	10·7	21·8	13·8	Plymouth -	22·5	14·6	17·2	21·8
Derby -	15·5	14·5	14·5	17·6	Portsmouth -	18·6	12·4	12·8	13·1
Halifax -	19·1	15·9	18·4	15·3	Preston -	16·9	22·3	21·3	18·8
Huddersfield	18·8	19·9	14·4	14·4	Salford -	19·4	20·4	17·8	20·0
Hull -	15·9	14·6	14·6	11·7	Sheffield -	24·4	19·6	16·1	16·9
Leeds -	14·9	19·2	20·4	18·1	Sunderland -	20·2	17·2	17·6	19·9
Leicester -	14·9	14·5	16·6	19·9	Wolverhampton -	16·3	17·5	13·8	12·5

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·6 in Derby, 1·7 in Birmingham, 2·1 in Brighton, and 3·3 in Plymouth; from *scarlet fever*, 1·0 in Birmingham, 1·1 in Manchester, and 1·7 in Liverpool; from *whooping-cough*, 1·5 in Salford, 2·0 in Birkenhead, and 2·6 in Derby; and from *diarrhœa*, 5·7 in Leicester. The rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 39 deaths from *diphtheria* included 22 in London, 4 in Liverpool, 4 in Salford, 3 in Manchester, 2 in Plymouth, and 2 in Birmingham. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2472 BIRTHS and 1471 DEATHS were registered. Allowing for increase of population, the births were 234, and the deaths 290, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15·9 and 17·5 in the two previous weeks, was 17·4 last week.

The 1471 deaths included 99 from measles, 20 from scarlet fever, 22 from diphtheria, 66 from whooping-cough, 9 from enteric fever, 107 from diarrhœa and dysentery, and 4 from cholera, and not one from small-pox, typhus, or ill-defined forms of fever; thus, 327 deaths were referred to these diseases, being 127 below the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



No death from *small-pox* was registered, the corrected weekly average being 10. The deaths from *measles*, which had been practically stationary at 100 in the four preceding weeks, were 99 last week, exceeding the corrected average by 43. The fatal cases of *scarlet fever*, which had numbered 7 and 13 in the two previous weeks, further increased last week to 20, being, however, 9 below the corrected average. The 22 deaths from *diphtheria* exceeded the corrected average by 4, and the number in the previous week by one. The deaths from *whooping-cough*, which had been 52 and 57 in the two preceding weeks, further increased last week to 66, and exceeded the corrected average by 13. The deaths referred to *enteric fever*, which had been 9 and 6 in the two previous weeks, increased again to 9 last week, but were 4 below the corrected average. The 107 deaths attributed to *diarrhoea* and *dysentery*, though showing a considerable further increase on the numbers in recent weeks, were 154 below the corrected average. The death of an infant was referred to "*cholera infantum*," that of a female, aged 4 years, to "*cholera*," and two deaths of adults to "*English cholera*."

#### GREATER LONDON.

In Greater London 3281 births and 1783 deaths were registered, corresponding to annual rates of 29·7 and 16·1 per 1000 of the estimated population. In the Outer Ring 23 deaths from diarrhoea, 15 from measles, and 7 from whooping-cough were recorded. The deaths from diarrhoea included 8 in the district of West Ham and 7 in that of Edmonton; 5 deaths from measles were returned in Tottenham and 3 in Willesden sub-districts; and 2 deaths from diphtheria occurred in Leyton sub-district.

DEATHS BELONGING to the SEVERAL SANITARY AREAS of REGISTRATION LONDON, registered in the 13 WEEKS ENDING ON 28TH JUNE, 1890.

SANITARY AREAS.	Total Deaths from all Causes.	Deaths from Principal Zymotic Diseases.										Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhoea.			
REGISTRATION LONDON	18,696	2	992	165	272	1050	6	78	7	210	4341	137	
West.													
Paddington - - - -	475	-	41	1	9	23	-	1	1	6	102	146	
Kensington - - - -	713	-	94	6	5	40	-	2	-	12	178	184	
Hammersmith - - - -	357	-	15	6	8	15	-	2	-	7	92	182	
Fulham - - - -	389	-	40	6	5	15	-	2	-	8	88	135	
Chelsea - - - -	451	-	20	5	6	16	-	2	-	3	93	133	
St. George Hanover Square	323	-	23	2	3	24	-	-	-	1	73	185	
Westminster - - - -	316	-	8	1	1	15	-	-	-	4	54	158	
St. James Westminster - -	119	-	2	-	1	3	-	-	-	1	25	172	
North.													
Marylebone - - - -	744	1	75	3	9	27	-	1	2	4	139	124	
Hamstead - - - -	180	-	8	5	3	5	-	-	-	7	183	94	
Pancras - - - -	1027	-	34	5	23	40	-	2	-	12	224	130	
Islington - - - -	1359	-	114	13	17	78	-	7	2	22	326	142	
Hackney - - - -	916	-	30	17	20	77	-	6	1	11	211	131	
Central.													
St. Giles - - - -	224	-	8	-	2	8	-	-	-	4	41	138	
St. Martin-in-the-Fields -	66	-	4	-	1	3	-	2	-	-	11	212	
Strand - - - -	165	-	8	1	2	4	-	1	-	3	31	209	
Holborn - - - -	184	-	5	-	2	10	-	-	-	3	41	192	
Clerkenwell - - - -	307	-	18	4	4	37	-	-	-	4	86	159	
St. Luke's - - - -	277	-	5	3	2	31	-	1	-	4	62	182	
London City - - - -	214	-	3	2	3	7	-	-	-	1	29	151	
East.													
Shoreditch - - - -	726	-	56	6	8	76	-	-	1	5	175	166	
Bethnal Green - - - -	666	-	13	6	20	33	-	4	-	7	145	125	
Whitechapel - - - -	406	-	14	-	7	24	-	2	-	10	111	149	
St. George-in-the-East -	321	-	11	4	6	17	-	1	-	6	69	186	
Stepney - - - -	305	-	5	1	8	33	-	1	-	3	76	180	
Mile End Old Town - -	472	-	-	2	11	50	-	2	-	8	118	121	
Poplar - - - -	614	-	43	9	18	42	1	2	-	6	193	133	
South.													
St. Saviour Southwark - -	141	-	5	-	1	6	-	-	-	-	25	127	
St. George Southwark - -	309	-	12	4	3	9	-	-	-	2	74	149	
Newington - - - -	545	-	25	4	3	22	-	1	-	1	135	139	
St. Olave Southwark - -	61	-	1	-	-	3	1	-	-	-	15	147	
Bermondsey - - - -	446	-	23	5	6	18	2	2	-	2	96	134	
Rotherhithe - - - -	298	-	18	1	-	16	-	1	-	1	47	143	
Lambeth - - - -	1246	-	59	12	13	42	-	6	-	7	284	128	
Buttress - - - -	64	-	6	3	7	39	-	9	-	8	176	142	
Wandsworth - - - -	608	-	25	2	3	37	-	4	-	6	129	128	
Camberwell - - - -	819	-	19	11	6	40	1	6	-	11	196	111	
Greenwich - - - -	662	-	26	5	16	30	1	2	-	6	169	100	
Lewisham (excluding Penge)	187	-	-	-	5	7	-	-	-	2	38	94	
Woolwich - - - -	169	-	1	1	1	7	-	3	-	1	36	121	
Plumstead - - - -	297	1	-	8	4	21	-	2	-	2	69	106	

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 30 that occurred outside that area in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylums Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand, the deaths of 351 non-residents who died in Public Institutions inside London have been excluded from the Table.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·67 ins.; the lowest reading was 29·35 ins. on Tuesday morning, and the highest 29·81 ins. on Thursday afternoon and on Friday evening. The mean temperature of the *air* was 55°·7, and 6°·7 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency on three days amounting to from 8·7 to 10°·0. The direction of the *wind* was variable, and the horizontal movement of the air averaged 10·7 miles per hour, which was 1·0 mile above the average in the corresponding weeks of 16 years. *Rain* fell on five days of the week, to the aggregate amount of 0·86 of an inch. The duration of registered bright sunshine in the week was 17·9 hours, against 17·6 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of JUNE 1890; according to their returns 185,376,080 gallons or 842,248 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 243 gallons (110·4 decalitres), rather more than a *ton* by weight, to each house, and (assuming 7·8 persons to each house) 31·2 gallons (14·2 decalitres) to each person, against 30·8 gallons during June 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	JUNE. 1889.	JUNE. 1890.	JUNE. 1889.	JUNE. 1890.
TOTAL SUPPLY . . . . .	751,877	762,792	180,877,584	185,376,080
From Thames . . . . .	362,662	368,205	91,461,781	92,923,757
From Lea and from other Sources . . . . .	389,215	394,587	89,415,803	92,452,323
THAMES.				
Chelsea . . . . .	34,967	35,415	10,215,697	11,207,712
West Middlesex . . . . .	71,876	73,217	17,168,359	17,340,328
Southwark and Vauxhall . . . . .	111,112	112,240	25,503,716	25,968,032
Grand Junction . . . . .	55,497	56,213	19,104,609	19,899,785
Lambeth . . . . .	89,210	91,120	19,469,400	18,507,900
LEA AND OTHER SOURCES.				
New River . . . . .	152,369	153,323	33,880,000	35,400,000
East London . . . . .	164,686	167,283	42,227,997	44,222,912
Kent . . . . .	72,160	73,981	13,307,806	12,829,411

*Note.*—The Return for June 1890, as compared with that for the corresponding month of 1889, shows an increase of 10,915 houses, and of 4,498,496 gallons of water supplied daily.

#### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JUNE.

*Water-analysis Laboratory, The Yews, Reigate,  
8th July, 1890.*

SIR,  
I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of June.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0·3, New River 0·7, Tottenham 1·1, Colne Valley 1·2, East London 1·4, Grand Junction 1·8, Chelsea 1·9, Southwark 2·0, West Middlesex 2·1, and Lambeth 2·6.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in every case, efficiently filtered, and the improved quality which it has of late exhibited, has been fully maintained.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered, and exhibited a high degree of organic purity, the New River Company's supply being again especially distinguished in this respect.



The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of great organic purity, that delivered by the Kent Company contained only mere traces of organic matter. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the New River, Kent, Colne Valley, and Tottenham waters were clear and colourless, the remaining six waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and greenish blue in a two-foot tube. Its physical and chemical characters showed a considerable improvement, and the organic nitrogen was exceptionally low."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little "suspended matter. The hardness was unusually low."

I am, &c.

The Registrar General, &c. &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.		Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.	June 23rd, Chelsea - - - { Cab Rank, Horse Guards, Whitehall. }	16° 7'	24·90	·089	·021	0	·135	·156	1·8	20·0
	West Middlesex - -	June 23rd, { Stand-pipe, Riding House- street. }	14° 6'	24·78	·100	·024	0	·148	·172	1·8	18·6
	Southwark - - -	June 23rd, { Cab Rank, Bricklayers Arms, Old Kent-road. }	17° 0'	25·64	·098	·018	0	·110	·128	1·8	19·4
	Grand Junction - -	June 23rd, { Cab Rank, Uxbridge-road, near Marble Arch. }	18° 0'	24·96	·087	·020	0	·109	·129	1·8	19·1
	Lambeth - - -	June 23rd, { Cab Rank, St. George's- road, Southwark. }	17° 7'	25·56	·123	·028	0	·148	·176	1·8	19·4
	LEA.	June 23rd, New River - - - { Cab Rank, Tottenham Court-road. }	17° 0'	28·70	·032	·011	0	·203	·214	1·8	20·9
Outer Circle.	East London - -	June 23rd, { Fire Brigade Station, Commercial-road, E. }	17° 5'	27·50	·064	·017	0	·137	·154	1·9	20·0
	DEEP WELLS.	June 23rd, Kent - - - { Mill Lane, Deptford. }	12° 7'	43·04	·014	·005	0	·407	·412	2·5	29·7
	Colne Valley - -	June 28th, { Bushey. }	—	17·52	·062	·011	·001	·432	·444	2·2	7·6
	Tottenham - -	June 27th, { Tottenham. }	—	41·72	·053	·013	·050	·027	·081	3·0	24·3
Corporation of Birming- ham* - - -		June 4th, { 7, Court, Osler-street, }	13° 9'	25·82	·120	·010	·001	·238	·249	1·6	12·7
Corporation of Glasgow†.		June 16th, { Loch Katrine Water. }	11° 5'	2·6	·122	·029	0	·003	·032	·70	0·63
Column 1.		2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 23rd June, at the Horse Guards cab-rank, had a temperature of 16°·7 C.; 100,000 lbs. of it contained 24·90 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·089 lb. of carbon and ·021 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·135 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·156 lb. The above weight of water also contained 1·8 lbs. of chlorine; and 20·0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

CITIES AND BOROUGH.	POPULATION estimated at the middle of the Year 1860.	Registered during the Week ending 14th July, 1860.			The Deaths registered in the Week include										Annual Rate per 1000, corresponding to the Week of Deaths					TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGH.
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhoid.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Cases of Death.	From All Causes.	From Deaths in Cans.	Mean.			In Inches.	In Centimetres.				
																			Highest.	Lowest.	Fahrenheit.						
																								19.	20.	21.	
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.		
28 TOWNS.	9,715,559	5608	3305	924	636	-	163	70	39	112	26	177	103	209	581	52	17.7	3.2	72.1	41.0	53.1	11.72	0.51	1.30	- 28 TOWNS.		
LONDON.	4,421,001	2472	1471	438	283	-	99	20	22	66	9	107	40	100	321	5	17.4	3.8	72.1	41.9	55.7	13.17	0.82	2.11	LONDON.		
BRIGHTON.	123,669	47	39	7	10	-	5	-	-	-	-	-	1	1	2	2	13.4	2.1	67.0	46.5	54.2	12.33	0.83	2.11	BRIGHTON.		
PORTSMOUTH.	142,862	114	36	9	10	-	-	-	-	-	-	-	-	2	7	-	10.4	1.1	-	-	-	-	-	-	PORTSMOUTH.		
NORWICH.	96,352	55	19	5	4	-	-	-	-	-	-	-	-	1	1	1	21.8	4.6	67.8	48.2	55.9	13.28	0.58	1.47	NORWICH.		
PLYMOUTH.	78,780	44	33	8	5	-	5	-	2	-	-	-	1	1	3	6	11.0	0.4	65.5	43.0	52.4	11.33	0.43	1.09	PLYMOUTH.		
BRISTOL.	232,248	113	49	15	16	-	-	-	-	1	-	1	1	3	6	1	12.5	0.0	63.9	41.0	50.5	10.28	0.30	0.78	BRISTOL.		
WOLVERHAMPTON.	83,406	52	20	6	6	-	-	-	-	-	-	-	1	2	6	1	13.2	4.1	-	-	-	-	-	-	WOLVERHAMPTON.		
BIRMINGHAM.	461,865	258	170	40	28	-	15	9	2	4	2	4	5	12	43	3	13.9	5.7	-	-	-	-	-	-	BIRMINGHAM.		
LEICESTER.	154,344	86	59	31	13	-	-	-	-	17	1	4	7	1	13.9	5.7	12.8	1.5	63.4	42.8	52.0	11.11	0.56	1.42	LEICESTER.		
NOTTINGHAM.	244,909	106	60	11	16	-	2	1	-	1	2	1	3	5	14	-	17.6	4.1	-	-	-	-	-	-	NOTTINGHAM.		
DERBY.	100,871	50	34	13	7	-	3	-	-	5	-	-	2	2	2	2	18.4	4.5	-	-	-	-	-	-	DERBY.		
BIRKENHEAD.	105,019	59	37	12	7	-	1	1	-	4	-	3	2	4	4	-	22.8	4.6	63.6	47.9	53.4	11.89	0.53	1.35	BIRKENHEAD.		
LIVERPOOL.	615,463	343	268	88	36	-	16	20	4	6	-	8	14	17	37	16	24.3	2.3	-	-	-	-	-	-	LIVERPOOL.		
BOLTON.	115,846	79	54	9	10	-	1	1	-	1	2	2	2	2	4	1	23.1	3.0	-	-	-	-	-	-	BOLTON.		
MANCHESTER.	579,457	252	168	29	32	-	2	8	3	1	2	6	4	13	41	1	18.1	1.9	-	-	-	-	-	-	MANCHESTER.		
SALFORD.	242,509	131	93	16	21	-	1	1	4	7	3	2	1	5	6	16	18.1	1.9	-	-	-	-	-	-	SALFORD.		
OLDHAM.	146,716	85	56	12	14	-	-	-	-	3	-	2	2	2	6	2	16.0	3.3	-	-	-	-	-	-	OLDHAM.		
BLACKBURN.	123,565	75	43	16	10	-	-	-	-	1	-	3	3	2	3	1	18.1	1.7	-	-	-	-	-	-	BLACKBURN.		
PRESTON.	105,163	74	38	10	6	-	-	-	-	-	-	2	2	4	3	1	18.8	1.0	-	-	-	-	-	-	PRESTON.		
HUDERSFIELD.	94,253	28	26	3	7	-	-	-	-	-	-	1	1	1	2	1	14.4	0.6	-	-	-	-	-	-	HUDERSFIELD.		
HALIFAX.	82,034	39	24	2	6	-	-	-	-	-	-	-	-	1	2	2	15.3	0.0	-	-	-	-	-	-	HALIFAX.		
BRADFORD.	240,515	133	64	12	18	-	4	-	-	2	-	2	-	2	7	1	13.9	1.7	63.6	48.0	52.9	11.61	0.37	0.94	BRADFORD.		
LEEDS.	363,799	205	126	43	21	-	-	-	-	3	9	3	3	6	13	1	18.1	1.9	-	-	-	-	-	-	LEEDS.		
SHEFFIELD.	332,837	194	108	24	22	-	9	4	-	4	3	1	3	3	10	6	16.0	3.3	-	-	-	-	-	-	SHEFFIELD.		
HULL.	213,833	138	48	15	8	-	-	2	-	-	1	1	1	2	6	1	11.7	0.7	62.0	50.0	52.8	11.56	0.31	0.79	HULL.		
SUNDERLAND.	136,506	111	52	22	1	-	-	-	1	3	-	2	-	3	4	2	19.9	2.7	-	-	-	-	-	-	SUNDERLAND.		
NEWCASTLE.	163,987	122	79	30	15	-	-	1	1	2	-	2	5	8	7	1	25.3	1.9	62.0	45.0	51.3	10.72	0.35	0.80	NEWCASTLE.		
CARDIFF.	117,012	83	31	8	4	-	-	-	-	1	2	2	2	2	6	-	13.8	1.3	-	-	-	-	-	-	CARDIFF.		
EDINBURGH.	271,135	153	87	15	15	-	-	1	-	6	1	1	4	?	18	13	16.7	1.7	62.5	43.0	52.8	11.56	0.89	2.36	EDINBURGH.		
GLASGOW.	530,203	386	234	60	28	-	16	1	2	20	1	6	15	?	37	31	23.0	4.5	62.1	42.9	53.1	11.72	1.84	4.67	GLASGOW.		
DUBLIN.	363,082	161	144	21	30	-	5	-	-	3	4	1	2	4	45	15	21.3	1.9	63.5	37.1	52.0	11.11	0.48	1.22	DUBLIN.		

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-EIGHTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2418	2533	2483	2534	2409	2411	2626	2577	2520	2306	2706·2	2472
Males . .	1234	1262	1267	1275	1232	1267	1384	1318	1280	1186	1385·4	1281
Females . .	1184	1271	1216	1259	1177	1144	1242	1259	1240	1120	1320·8	1191
<b>TOTAL Deaths</b>	1441	1816	1347	1736	1849	1616	1680	1774	1283	1605	1761·3	1471
Males . .	752	979	718	873	957	848	878	914	660	839	917·9	747
Females . .	689	837	629	863	892	768	802	860	628	766	843·4	724

\* The numbers in this column are the average weekly numbers in the twenty-eight weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.
<b>TOTAL Births</b>	2935	2538	2613	2308	2468	2443	2091	2399	2477	2516	2359	2480	2472
<b>TOTAL Deaths</b>	1611	1567	1533	1469	1466	1451	1411	1393	1375	1387	1346	1481	1471
<b>Ages at</b>													
{ 0-20 years	782	742	721	712	707	739	713	667	658	672	669	793	800
{ 20-40 "	177	197	210	170	178	166	186	186	172	177	155	165	174
{ 40-60 "	282	255	227	243	261	235	222	250	229	239	254	239	214
<b>Death</b>													
{ 60-80 "	291	313	305	274	257	239	244	235	247	248	220	237	231
{ 80 years & upwards	79	60	70	70	63	72	46	55	69	51	43	47	52
<b>"</b>													
{ Under 1 year	356	369	337	360	339	335	349	285	297	318	339	423	428
{ 1-5 "	322	286	294	251	266	307	250	280	267	262	256	281	281
{ 5-20 "	104	87	90	101	102	97	114	102	94	92	74	89	91
<b>Deaths from Small-pox</b>	-	-	1	-	-	1	-	-	-	-	-	-	-
" " Measles	65	61	67	62	70	94	83	91	100	99	101	100	99
" " Scarlet fever	13	17	15	12	17	15	14	11	11	15	7	13	20
" " Diphtheria	17	20	18	25	21	24	25	20	24	19	24	21	22
" " Whooping-cough	106	88	86	99	88	91	78	75	59	66	52	57	66
" " Typhus	-	-	1	-	-	-	1	1	-	-	2	-	-
" " Enteric fever	8	6	6	3	8	6	3	7	11	6	9	6	9
" " Simple Cont'd fever	-	1	-	-	2	-	-	1	1	1	-	2	-
" " Diarrhoea and	11	13	21	11	17	10	10	8	15	24	51	85	107
" " Dysentery	-	-	-	-	-	1	-	1	-	2	2	4	4
" " Cholera	-	-	-	-	-	1	-	1	-	2	2	4	4
" " all the above-mentioned Diseases	220	206	215	212	223	242	214	215	221	232	248	283	327
" " Dis. of Respiratory System	280	345	326	301	300	294	259	229	240	215	206	244	225
" " Phthisis	189	154	143	139	154	117	116	138	133	131	136	115	132
" " Dis. of Circulatory System	133	119	140	132	124	121	117	131	122	120	99	105	108
<b>Violent Deaths</b>	41	61	61	62	45	66	64	50	36	54	49	55	40
<b>Inquest Cases</b>	105	125	124	134	100	119	123	109	87	86	99	96	100
<b>Deaths in Public Institutions</b>	338	374	342	326	376	324	328	331	327	314	299	310	321
<b>TEMPERATURE OF THE AIR</b>													
Mean	46·1	47·1	50·7	52·4	55·3	58·3	54·0	56·5	56·6	59·3	60·6	55·7	55·7
Mean of Highest readings	53·8	56·7	62·2	61·6	67·4	71·0	65·9	67·0	67·9	70·9	71·5	66·6	65·2
Mean of Lowest readings	39·9	40·1	38·9	44·6	45·6	45·6	44·0	48·1	48·1	49·8	52·5	48·6	48·4
<b>Humidity of the Air</b>	81	82	67	80	69	65	65	76	81	76	82	84	83
<b>Rain-fall in inches</b>	0·38	1·00	0·07	0·56	0·56	0·14	0·07	0·31	0·76	0·38	0·78	1·77	0·86
<b>Registered Sunshine (in hours)</b>	27·0	15·9	63·9	14·2	54·0	71·2	51·9	25·1	28·4	29·3	36·2	23·5	17·9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Bartuup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-EIGHTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 28th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 12th July 1890.										CAUSES OF DEATH.	Corrected Averages for the 28th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 12th July 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.												ALL AGES.									
		0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.						0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			
CAUSES - -	1761.8	1471	428	281	91	174	214	231	52			Diseases of Organs of Special Sense † - -	2.4	8	1	1	-	-	1	-	-		
all- { Vaccinated † - -	2.6	-	-	-	-	-	-	-	-			Diseases of Circulatory System - - -	102.1	108	2	1	7	17	33	42	6		
{ Unvaccinated - -	4.7	-	-	-	-	-	-	-	-			Croup - - - - -	11.1	7	-	6	1	-	-	-	-		
{ No Statement - -	2.5	-	-	-	-	-	-	-	-			Bronchitis - - -	99.6	93	35	15	-	3	11	22	10		
{ - - - - -	55.5	99	19	76	4	-	-	-	-			Pneumonia - - -	65.2	98	19	29	2	13	9	52	4		
{ - - - - -	23.6	20	1	13	5	1	-	-	-			Pleurisy - - - -	4.1	5	1	1	-	1	1	-	-		
{ - - - - -	0.7	-	-	-	-	-	-	-	-			Other Diseases of Respiratory System - - -	20.2	19	2	2	2	3	5	4	1		
{ - - - - -	0.0	-	-	-	-	-	-	-	-			Dentition † - - -	18.3	10	4	6	-	-	-	-	-		
{ - - - - -	0.0	1	-	-	-	-	1	-	-			Quinsy, Sore Throat † - -	2.3	1	1	-	-	-	-	-	-		
{ - - - - -	52.8	66	30	84	2	-	-	-	-			Enteritis - - - -	17.1	22	17	4	-	-	-	-	-		
{ - - - - -	17.7	22	1	13	3	-	-	-	-			Peritonitis - - -	6.1	8	-	-	4	4	-	-	-		
{ - - - - -	3.1	-	-	-	-	-	-	-	-			Diseases of Liver - -	30.6	39	2	-	-	5	13	11	-		
{ - - - - -	13.4	9	-	-	4	4	1	-	-			Other Diseases of Digestive System - - -	35.4	21	5	2	2	1	6	5	-		
{ - - - - -	11.7	4	1	1	-	1	1	-	-			Diseases of Lymphatic System & of Ductless Glands † - - - -	2.1	3	1	-	1	-	1	-	-		
{ - - - - -	260.7	107	81	19	1	2	-	3	1			Diseases of Urinary System - - - - -	36.1	24	-	-	2	5	5	9	3		
{ - - - - -	0.1	-	-	-	-	-	-	-	-			Diseases of Generative System - - - - -	4.8	9	-	-	1	4	4	-	-		
{ - - - - -	0.0	-	-	-	-	-	-	-	-			Accidents of Childbirth - -	4.4	2	-	-	-	2	-	-	-		
{ - - - - -	0.0	-	-	-	-	-	-	-	-			Diseases of Locomotive System † - - - -	6.8	9	-	1	3	1	1	3	-		
{ - - - - -	0.1	1	1	-	-	-	-	-	-			Diseases of Integumentary System - - -	4.1	3	-	-	-	-	1	1	1		
{ - - - - -	14.1	10	6	1	-	1	2	-	-			VIOLENT DEATHS. ‡											
{ - - - - -	4.5	4	1	-	-	-	1	2	-			(ACCIDENT.)											
{ - - - - -	2.7	3	-	-	2	1	-	-	-			Fracture and Contusion - -	25.3	23	-	3	4	4	5	4	3		
{ - - - - -	4.6	5	-	-	-	5	-	-	-			Gunshot Wound - - -	0.2	-	-	-	-	-	-	-	-		
{ - - - - -	2.5	4	1	2	-	-	1	-	-			Cut, Stab - - - -	0.2	-	-	-	-	-	-	-	-		
{ - - - - -	4.0	3	3	-	-	-	-	-	-			Burn and Scald - - -	3.9	1	-	-	-	-	1	-	-		
{ - - - - -	0.2	1	-	-	1	-	-	-	-			Poison - - - - -	2.2	-	-	-	-	-	-	-	-		
{ - - - - -	2.7	3	3	-	-	-	-	-	-			Drowning - - - -	11.2	5	-	1	1	2	1	-	-		
{ - - - - -	6.2	10	-	-	5	5	-	-	-			Suffocation - - - -	9.6	5	4	-	1	-	-	-	-		
{ - - - - -	7.4	11	-	3	3	4	1	-	-			Otherwise - - - - -	4.3	2	-	-	1	1	1	-	-		
{ - - - - -	3.1	-	-	-	-	-	-	-	-			(HOMICIDE.)											
{ - - - - -	3.6	3	-	-	-	-	2	-	1			Murder & Manslaughter - -	1.9	1	-	-	-	-	1	-	-		
{ - - - - -	5.0	5	2	3	-	-	-	-	-			(SUICIDE.)											
{ - - - - -	54.4	59	-	-	6	34	18	1	-			Gunshot Wound - - -	0.5	-	-	-	-	-	1	-	-		
{ - - - - -	49.5	30	19	8	1	2	-	-	-			Cut, Stab - - - -	3.0	1	-	-	-	-	-	-	-		
{ - - - - -	31.8	24	8	10	5	1	-	-	-			Poison - - - - -	2.5	2	-	-	-	-	2	-	-		
{ - - - - -	157.0	132	1	5	12	61	41	12	-			Drowning - - - -	2.2	-	-	-	-	-	-	-	-		
{ - - - - -	23.8	15	4	5	3	3	-	-	-			Hanging - - - - -	1.6	-	-	-	-	-	-	-	-		
{ - - - - -	11.1	5	-	-	-	1	3	1	-			Otherwise - - - - -	1.0	-	-	-	-	-	-	-	-		
{ - - - - -	37.6	23	28	-	-	-	-	-	-			(EXECUTION.)											
{ - - - - -	8.5	1	1	-	-	-	-	-	-			Hanging - - - - -	0.0	-	-	-	-	-	-	-	-		
{ - - - - -	8.1	10	10	-	-	-	-	-	-			OTHER CAUSES † - -	85.2	72	65	1	1	3	1	1	-		
{ - - - - -	42.6	34	-	-	-	-	21	13	-														
{ - - - - -	42.3	33	-	-	-	3	10	22	3														
{ - - - - -	9.2	6	-	1	1	1	1	2	-														
{ - - - - -	59.4	37	33	4	-	-	-	-	-														
{ - - - - -	89.4	71	15	11	8	4	7	21	5														

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. The ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used. These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When a medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical attendant, the case is returned under the heading "no statement." The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the Week include																	
REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of													
				Infants under 1 Year of Age.	Persons aged 60 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON	3,815,704	2472	1471	428	283	-	99	20	22	66	-	9	-	107	40	100	32
WEST DISTRICTS.																	
St. Mary Paddington WHH G.J. & W.M.	69838	893	263	68	63	-	29	2	5	8	-	1	-	14	9	21	68
St. John Paddington H - - - G.J.	37330	595	307	73	72	-	12	9	5	11	-	4	-	20	9	24	51
Kensington Town WH - - - W.M.	180141	156	117	41	21	-	2	1	2	7	-	1	-	14	3	5	40
Brompton H - - - W.M. & C.	49010	454	232	88	45	-	17	-	1	18	-	1	-	19	7	25	70
St. Peter Hammersmith - - - W.M.	7899	1	3	-	-	-	1	-	1	-	-	-	-	-	-	-	-
St. Paul Hammersmith H W.M. & G.J.	64340	55	23	9	4	-	3	-	-	1	-	-	-	4	-	4	1
Fulham WH - - - W.M. & C.	42900	64	33	9	4	-	10	2	-	2	-	-	-	4	-	-	7
Chelsea South HHH - - - C.	20396	17	18	7	4	-	1	-	-	-	-	-	-	2	2	3	3
Chelsea North-west WHHHH - - C.	24925	19	22	3	7	-	-	-	2	-	-	-	-	-	-	-	11
Chelsea North-east - - - C.	32807	29	11	5	3	-	1	-	-	-	-	-	-	1	-	1	-
May Fair WW - - - G.J.	30353	4	13	-	9	-	-	-	-	-	-	-	-	-	-	-	11
Belgrave WHHH - - - C.	59220	32	13	2	4	-	-	-	-	1	-	-	-	1	1	1	4
St. John Westminster HHH - - C.	35496	18	19	6	3	-	3	-	-	-	-	-	-	2	3	1	4
St. Margaret Westminster H - - C.	24679	8	13	1	2	-	-	-	-	-	-	-	-	-	-	2	7
St. James Westminster WHH N.R. & G.J.	29941	7	10	-	5	-	-	-	-	-	-	-	-	-	1	2	1
St. Anne Soho HHHHHH - - N.R.	18603	9	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-
NORTH DISTRICTS.																	
AN Soles Marylebone HHHH W.M.	26769	13	12	2	1	-	-	-	-	-	-	-	-	-	2	3	8
Cavendish Square HHHH - - W.M.	14891	8	5	1	1	-	1	-	-	-	-	-	-	-	-	1	-
Neology Marylebone WH G.J. & W.M.	24809	9	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Marylebone HHH G.J. & W.M.	21118	23	8	1	6	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone HH - W.M.	33700	13	19	4	1	-	3	-	1	-	-	-	-	2	1	3	1
St. John Marylebone H - - W.M.	33633	13	7	2	1	-	1	-	1	-	-	-	-	1	-	-	-
Hampstead WWHHHH N.R. & W.M.	45452	32	14	2	4	-	1	1	1	-	-	-	-	-	-	6	-
Regent's Park Panacea H - - W.M.	39115	18	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Tottenham-court WHHHH N.R. & W.M.	27729	10	7	-	-	-	-	-	-	-	-	-	-	1	1	4	4
Gray's Inn Lane HHH - - N.R.	30247	19	8	-	3	-	-	-	-	-	-	-	-	-	-	-	3
Somers Town H - - - N.R.	34389	22	8	2	2	-	-	-	-	1	-	-	-	2	-	-	1
Camden Town WH - - - N.R.	17811	23	7	1	3	-	-	-	-	-	-	-	-	-	1	1	3
Kentish Town W - - - N.R.	37487	56	30	5	9	-	1	-	-	-	-	-	-	1	-	1	3
Upper Holloway WWHH - - N.R.	67946	65	44	9	14	-	1	1	-	-	-	2	-	5	1	1	18
Islington South-west HH - - N.R.	100976	87	31	15	1	-	1	1	1	1	-	1	-	3	1	3	-
Islington South-east - - - N.R.	61845	34	19	5	6	-	-	-	-	2	-	-	-	1	1	3	-
Highbury H - - - N.R.	52048	26	8	1	4	-	-	-	-	-	-	-	-	-	-	2	-
Stoke Newington H - - - N.R.	22731	15	5	2	1	-	-	-	-	1	-	-	-	-	-	1	-
Stamford Hill - - - E.L.	9277	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - - - N.R.	37610	29	16	4	3	-	-	-	-	-	-	1	-	-	-	-	1
Hackney WWHH - - - E.L. & N.R.	76911	63	34	6	3	-	2	6	2	1	-	-	-	2	1	2	10
South Hackney - - - E.L.	39953	32	13	6	3	-	1	-	-	-	-	-	-	1	-	2	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury - - - N.R.	16681	4	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
St. Giles South WH - - - N.R.	14884	6	12	2	5	-	-	-	-	-	-	-	-	2	-	1	7
St. Giles North - - - N.R.	18337	9	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Martin-in-the-Fields HH N.R. & C.	17508	1	10	4	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand H - - - N.R.	7515	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	4
St. Clement Danes H - - - N.R.	8559	9	7	-	3	-	-	-	-	-	-	-	-	-	-	-	4
Strand Union Workhouse, Edmonton &c.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1
St. Geo. the Martyr HHHHHH N.R.	18671	12	13	5	-	-	-	-	1	1	-	-	-	2	-	-	3
St. Andrew Eastern W - - - N.R.	10706	10	3	2	1	-	-	-	-	1	-	-	-	1	1	1	-
Saffron Hill H - - - N.R.	6353	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - - N.R.	17518	9	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - - - N.R.	19231	9	2	4	-	-	-	-	-	1	-	-	-	-	-	-	-
Pentonville - - - N.R.	14773	14	11	7	1	-	1	1	-	1	-	-	-	1	-	-	-
Goosewell-street - - - N.R.	17505	8	1	1	-	-	1	1	-	1	-	-	-	2	-	-	-
Old-street H - - - N.R.	11541	11	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-
City-road HHL - - - N.R.	16626	21	12	7	1	-	-	-	-	-	-	-	-	2	-	1	2
Whitecross-street - - - N.R.	9217	7	3	1	-	-	1	-	-	1	-	-	-	1	-	-	-
Finchbury - - - N.R.	7453	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham, &c.	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	2
St. Botolph H - - - N.R. & E.L.	11174	6	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - - N.R.	7193	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - - N.R.	5553	-	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Bride W - - - N.R.	8396	9	-	-	-	-	-	-	1	1	-	-	-	-	-	1	12
Allhallows Barking - - - N.R.	13666	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - - - N.R.	5653	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; W—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Workhouse Companies which supply the different sub-districts:—S. J. signifies G and Junction Company; W. M. West Middlesex; C. Chelsea; S. South and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths registered in the Week include													Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Deaths of	Deaths from													
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.		
EAST DISTRICTS.																			
Albion South	HL*	- N.R.	22348	7	9	3	-	1	-	-	2	-	-	-	-	-	1	-	
on New Town	w	- N.R.	29037	23	14	7	-	-	-	-	-	-	-	-	-	-	1	-	
on Old Town	-	- N.R.	28033	17	13	3	4	-	-	-	2	-	-	-	2	-	-	-	
erston	WH	- N.R. & E.L.	46276	30	17	5	2	2	-	-	1	-	-	-	3	2	5	-	
al Green North	H	- E.L.	51157	31	16	6	-	-	-	-	-	-	-	-	2	-	-	-	
al Green South	-	- E.L.	34389	21	6	2	-	1	-	-	-	-	-	-	-	-	-	-	
al Green East	WHL*	- E.L.	41405	15	25	5	7	-	-	-	4	-	-	-	-	1	13	-	
Fields	-	E.L. & N.R.	22585	11	4	2	-	1	-	1	-	-	-	-	-	-	-	-	
End New Town	W	- E.L.	15473	15	10	4	2	-	-	-	-	-	-	-	-	-	2	4	
ehapel Church	H	E.L. & N.R.	17490	15	19	3	3	8	-	-	-	-	1	-	-	1	1	13	
man's Fields	-	- E.L.	9713	1	1	1	-	-	-	-	-	-	-	-	3	-	-	-	
eto	-	- N.R. & E.L.	6102	-	5	3	-	-	-	-	-	-	-	-	-	-	-	-	
George's, North	-	- E.L.	38747	24	13	6	1	-	-	-	1	-	-	-	-	1	3	-	
ohn, St. George East	W	- E.L.	6410	6	9	2	2	-	-	-	-	-	-	-	1	-	5	-	
well	H	- E.L. & N.R.	10395	5	11	4	-	-	-	-	-	-	-	-	-	-	-	10	
IF	-	- E.L.	16107	5	4	2	-	-	-	-	1	-	-	-	-	-	1	-	
house	-	- E.L.	32041	26	7	3	2	-	-	-	-	-	-	-	-	-	-	-	
End Old Town West	H	- E.L.	37960	42	14	7	2	-	-	-	3	-	-	-	2	-	2	-	
End Old Town East	W & WH	- E.L.	67653	43	18	11	3	-	-	-	1	-	-	-	2	1	2	-	
L*	-	- E.L.	37074	21	8	3	-	4	-	-	-	-	-	-	-	-	-	-	
ley w & WH	-	- E.L.	64359	51	33	6	11	4	-	-	1	-	-	-	-	1	3	15	
ar W & WH	-	- E.L.	65077	25	16	1	2	1	-	-	-	-	-	-	-	1	3	1	
SOUTH DISTRICTS.																			
church Southwark	WH	L. & S.	18663	9	4	1	2	-	-	-	1	-	-	-	-	-	-	1	
avour Southwark	-	- S.	14999	10	7	2	-	2	-	-	-	-	-	-	-	-	-	-	
-road	-	S. & L.	21351	18	7	4	-	-	1	-	1	-	-	-	1	-	-	-	
ugh-road	WH	- S. & L.	13953	7	11	2	1	-	-	-	3	-	-	-	2	-	1	3	
on-road	HL	- L. & S.	21315	15															

Telephone Infirmary in Kensington Town sub-district.	Stepney Workhouse in Bromley sub-district.
General London Sick Asylum in Tottenham Court sub-district.	Poor's & Stepney Sick Asylum "
Holborn Infirmary in Upper Holloway sub-district.	Westminster Union Industrial School in West Battersea sub-district.
London City Workhouse " Hackney sub-district.	St. Saviour's Infirmary in Camberwell sub-district.
Holborn " " Hoxton New Town sub-district.	Metropolitan Asylum District Hospitals in Finsbury, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.
Whitechapel " " Mile End Old Town Eastern sub-dist.	Strand and Holborn Workhouses outside Registration London.
London City " " Mile End Old Town Eastern sub-dist.	
" " " " and Bromley sub-district.	



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during t  
Week ending Saturday, 12th July, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON—OUTER RING		370,924	950,957	809	312	93	76	-	15	2	4	7	3	23	12	24	3
30:1	Carshalton <i>wL</i> -	12228	21118	9	2	-	-	-	-	-	-	-	-	-	-	-	1
2	Epsom (part of)* <i>WwH</i>	9971	10710	4	1	-	1	-	-	-	-	-	-	-	-	-	-
37:1	Godstone (part of)* -	2754	1235	1	1	1	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon <i>Ww L</i> -	20851	101241	52	85	7	11	-	1	-	-	-	-	-	2	5	3
2	Mitcham <i>w†</i> -	11697	17982	17	3	-	1	-	-	-	-	-	-	-	-	-	1
39:1	Wimbledon <i>HHH</i> -	3220	15980	16	6	1	2	-	2	-	-	-	-	-	1	1	1
2	Kingston <i>WHH</i> -	8549	36354	23	8	3	3	-	-	-	-	-	-	1	1	3	-
3	Esher (part of)* -	6601	9221	2	2	-	1	-	-	-	-	-	-	-	-	-	-
4	Hampton <i>H</i> -	4573	13539	8	6	3	1	-	-	-	-	1	-	-	1	1	-
40:1	Richmond <i>WH</i> -	2272	21302	12	4	-	2	-	-	-	-	-	-	-	-	-	-
2	Mortlake -	2941	12331	6	3	1	1	-	-	-	-	-	-	-	-	-	-
41:1	Bromley (pt. of)* <i>HH</i>	15669	31142	20	10	-	1	-	1	-	-	1	-	1	-	2	-
2	Chislehurst(pt.of)* <i>WHH</i>	14307	15844	15	8	4	3	-	-	-	-	-	-	-	-	-	3
42:1	Bexley <i>H</i> -	13437	24134	15	5	2	2	-	-	-	-	-	-	-	2	2	-
2	Dartford ( <i>Ww</i> , pts. of)*†	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
124:1	Sunbury <i>w</i> -	11055	11685	6	3	-	2	-	-	-	-	-	1	-	-	-	-
2	Staines <i>W</i> -	13277	12089	8	2	-	1	-	-	-	-	-	-	-	-	-	-
125:1	Hillingdon <i>WHH</i> -	6029	10802	8	2	-	1	-	-	-	-	-	-	-	-	1	-
2	Uxbridge -	6178	3225	4	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Hayes <i>wHL</i> -	14587	11523	1	3	-	-	-	-	-	-	-	-	-	-	-	1
126:1	Isleworth <i>WHH</i> -	7008	22727	19	8	3	3	-	-	-	-	1	-	-	1	2	-
2	Twickenham <i>H</i> -	2477	12479	13	3	-	1	-	-	-	-	-	-	-	-	-	-
3	Brentford <i>HL</i> -	4345	27649	8	10	3	1	-	-	-	-	-	-	2	-	-	-
4	Chiswick -	1840	15975	19	3	-	2	-	-	-	-	-	-	-	1	1	-
5	Acton <i>wH</i> -	6083	22876	19	5	1	2	-	-	-	-	-	-	1	-	-	-
127:1	Harrow <i>H</i> -	13809	12796	13	4	1	2	-	-	-	-	-	-	-	-	-	-
2	Edgware <i>H</i> -	6994	3749	2	2	1	-	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	37	17	6	3	-	3	-	-	2	-	2	-	-	-
4	Hendon <i>W</i> -	8382	10484	11	3	1	-	-	1	-	-	-	-	-	-	-	1
137:1	Bushey -	9331	6621	3	2	1	-	-	-	-	-	-	-	-	-	-	1
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128:1	South Mimms -	15199	6391	4	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Barnet -	5483	10092	4	2	-	1	-	-	-	-	-	-	-	-	-	-
3	Finchley <i>HL</i> -	4638	17615	27	10	4	1	-	-	-	-	-	-	1	-	-	2
135:1	Hatfield (part of)* -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:1	Hornsey <i>H</i> -	3039	37078	84	5	3	1	-	-	-	-	-	-	1	-	2	-
2	Tottenham <i>H</i> -	4642	46456	61	34	17	3	-	5	-	1	2	1	4	-	-	1
3	Edmonton <i>Ww</i> -	7453	23463	18	16	4	5	-	2	-	-	-	-	2	1	1	2
4	Enfield <i>WH</i> -	12653	19104	17	6	2	1	-	-	-	-	-	-	-	-	1	1
5	Waltham Abbey -	11017	5398	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt -	8490	7735	-	3	1	1	-	-	-	-	-	-	-	-	-	-
138:1	Stratford -	882	38606	25	12	2	1	-	-	1	-	-	-	-	1	1	-
2	West Ham <i>wvH</i> -	4055	90347	103	23	10	4	-	-	1	1	-	-	4	1	1	-
3	East Ham <i>wv</i> -	3296	10706	17	2	1	1	-	-	-	-	-	-	1	-	-	-
4	Leyton <i>WwL</i> -	4372	32430	53	18	7	5	-	-	-	2	1	-	1	-	-	2
5	Walthamstow <i>H</i> -	6520	23899	40	11	1	3	-	-	-	-	-	-	2	-	-	-
137:1	Chigwell (part of)* <i>H</i>	11761	9639	6	2	-	1	-	-	-	-	-	-	-	-	-	-
2	Epping ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:1	Romford (part of)* <i>W</i>	6730	3411	12	2	1	1	-	-	-	-	-	-	-	-	-	2
2	Ilford -	8493	7645	4	1	-	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town -	4127	9203	13	2	1	-	-	-	-	-	-	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:  
 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1995); 41:1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1318); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Norisaw in Hat sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 138:1, the parishes of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metro-

politan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metro-

politan Asylum Hospital, Winesmore Hill (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 12th July, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												Deaths in Public Institutions.
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16		
ATER LONDON	448,334	5,758,500	15.1	3.4	1783	531	359	-	114	22	26	73	12	130	52	344		
INNER LONDON -	77,410	4,421,661	17.4	3.8	1471	428	283	-	93	20	22	66	9	107	40	321		
UTER RING -	370,924	1,336,839	12.2	2.1	312	93	76	-	15	2	4	7	3	23	12	23		

RE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 6.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,166,842 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA	433,219	May 17	-	183	22.0	15	2	-	-	-	74	21†	
BOMBAY	773,196	June 17	269	308	17.3	10	1	?	?	?	78	32†	
BRASS	398,777	May 23	310	289	37.6	-	8	-	-	-	101	31	
CHINA	2,260,945	July 5	1132	903	20.8	2	65	10	24*	10	8	58	
PARIS (8 Faubourgs.)	477,288	" 5	242	169	18.9	2	3	-	-	1	4	11	
AMSTERDAM	406,302	" 5	261	140	17.9	-	4	-	2	-	3	-	
ROTTERDAM	203,486	" 5	133	79	20.1	-	-	-	-	1	-	-	
THE HAGUE	156,497	" 5	94	55	18.3	-	3	-	1	1	-	-	
BRUSSELS	312,387	" 5	199	112	18.7	-	16	-	5	5	-	8	
STOCKHOLM	286,350	June 28	149	77	16.9	-	-	4	5*	3	1	8	
CHRISTIANIA	143,300	July 5	77	66	23.9	-	2	-	3	-	1	14	
PETERSBURG	812,000	June 28	-	472	29.2	-	33	27	2	3	11	75	
BERLIN	1,526,887	" 21	882	625	21.1	-	23	3	33	11	2	105	
FRANKFURT (State)	575,276	" 28	429	237	21.5	-	14	4	2*	4	1	36	
BRUSSELS	269,250	" 28	165	93	18.0	-	1	-	2*	-	-	6	
PRAGUE	324,400	July 5	242	178	28.8	-	-	3	4*	1	2	34	
VIENNA	298,000	" 5	-	169	29.5	-	2	1	6*	-	-	39	
GENOA	822,176	" 5	528	387	24.5	1	20	2	12	1	1	34	
LYON	314,425	" 5	-	192	31.8	1	19	4	4	3	2	6	
PARIS-PRISTH	463,017	June 28	332	285	32.0	-	1	2	14	-	4	37	
PARIS-EST	160,092	July 5	99	79	25.7	-	-	1	2*	-	-	13	
PARIS-MID	418,217	June 7	201	168	21.3	-	6	1	4	4	6†	18	
PARIS (10 days)	314,827	" 20	-	-	-	-	-	-	-	-	-	-	
PARIS-NORTH	156,515	" 21	77	52	17.3	-	-	-	-	-	3	4	
PARIS-SOUTH	374,838	" 19	360	237	39.8	-	1	-	2*	1	29	94	
ALEXANDRIA	231,396	" 19	150	206	46.3	1	-	-	-	-	11	60	
NEW YORK	1,595,547	" 21	-	773	24.9	-	10	11	29	8	3	131	
BROOKLYN	859,612	" 21	-	370	22.5	-	3	5	15	2	1	59	
PHILADELPHIA	1,064,277	" 21	-	480	23.5	-	3	3	7	2	11	86	
PHILADELPHIA	500,343	" 23	-	252	26.2	-	3	2	1	3	2	72	
NEW ORLEANS	254,000	May 31	-	133	27.3	-	4	-	-	-	1	24	

\* Including deaths from croup.

† Including 5 and 12 deaths respectively from cholera in Calcutta, and 1 in Bombay.

‡ Malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 12TH JULY, 1890.  
[Under the Superintendence of the Astronomer Royal.]

[illegible]

## GENERAL REMARKS.

JULY.	symbols, see Note.)	in hours.	in hours.
SUNDAY .	6 w. P. till afternoon; w. N. in evening; w. P. at night.	0 0	16-4
MONDAY .	7 w. P. generally .	2-9	16-3
TUESDAY .	8 w. P. throughout .	4-7	16-3
WEDNESDAY .	9 w. P. generally .	0-2	16-3
THURSDAY .	10 m. P. in morning; w. P. and w. N. afterwards.	7-1	16-3
FRIDAY .	11 s. N. and s. P. till 3h. a.m.; w. P. gene- rally afterwards.	1-4	16-2
SATURDAY .	12 w. P. generally .	1-6	16-2
		Sum 17-9	Sum 114-9

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h, A.M.; noon; 3h, P.M.; and 9h, P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1898, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1876.

In reading the columns 9 and 26 it will be borne in mind that + indicates "*higher*," and "*lower*" than the average.

— *lower*, than the average. The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29·56 in. at the beginning of the week to 29·78 in. by 9 h. A.M. on the 7th; decreased to 29·35 in. by 9 h. A.M. on the 8th ; increased to 29·81 in. by 9 h. A.M. on the 9th; decreased to 29·40 in. by 9 h. A.M. on the 10th; increased to 29·80 in. by 9 h. A.M. on the 11th; and

OFFICIAL COPY.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 29. 1890. Vol. LI.] WEEK ENDING SATURDAY, JULY 19. [Price 1½d.

General Register Office, Somerset House,  
21st July, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18·0 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	June 28.	July 5.	July 12.	July 19.		June 28.	July 5.	July 12.	July 19.
Birkenhead	17·4	18·4	18·4	15·4	Liverpool - -	18·6	16·7	22·8	19·4
Birmingham	19·1	16·9	19·2	16·9	London - -	15·9	17·3	17·4	17·9
Blackburn -	22·8	14·3	18·1	16·9	Manchester -	27·1	25·3	23·1	26·2
Bolton -	18·9	25·2	24·3	18·9	Newcastle-on-Tyne	23·7	18·9	25·3	21·8
Bradford -	10·6	20·2	13·9	14·7	Norwich -	19·1	12·6	10·4	14·2
Brighton -	14·8	6·7	16·4	15·2	Nottingham -	11·3	14·1	12·8	15·5
Bristol -	13·2	11·9	11·0	18·0	Oldham -	16·7	16·3	19·9	12·1
Cardiff -	10·7	21·8	13·8	17·8	Plymouth -	14·6	17·2	21·8	21·2
Derby -	14·5	14·5	17·6	11·9	Portsmouth -	12·4	12·8	13·1	10·9
Halifax -	15·9	18·4	15·3	19·1	Preston -	22·3	21·3	18·8	20·8
Huddersfield	19·9	14·4	14·4	15·5	Salford -	20·4	17·8	20·0	14·4
Hull -	14·6	14·6	11·7	12·4	Sheffield -	19·6	16·1	16·9	21·5
Leeds -	19·2	20·4	18·1	21·6	Sunderland -	17·2	17·6	19·9	18·0
Leicester -	14·5	16·6	19·9	19·6	Wolverhampton -	17·5	13·8	12·5	16·3

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·2 in London, 1·5 in Birkenhead, 1·7 in Bradford, and 4·0 in Plymouth; from *scarlet fever*, 1·1 in Sheffield, and 1·3 in Liverpool; from *whooping-cough*, 1·6 in Derby; from "*fever*" 1·0 in Newcastle-upon-Tyne; and from *diarrhœa*, 5·7 in Leicester. The 31 deaths from *diphtheria* included 19 in London, 5 in Liverpool, 4 in Manchester, and 2 in Salford. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2346 BIRTHS and 1522 DEATHS were registered. Allowing for increase of population, the births were 430, and the deaths 301, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17·5 and 17·4 in the two preceding weeks, rose last week to 17·9. Thus, during the first three weeks of the current quarter, the death-rate per 1000 averaged 17·6, which was 2·7 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1522 deaths included 104 from measles, 12 from scarlet fever, 19 from diphtheria, 56 from whooping-cough, 6 from enteric fever, one from an ill-defined form of continued fever, 111 from diarrhoea and dysentery, one from cholera, and not one from small-pox or typhus; thus, 310 deaths were referred to these diseases, being 217 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 9, and no case of this disease was under treatment, on Saturday last, either in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had fluctuated in number in the five preceding weeks between 99 and 101, increased last week to 104, being nearly double the corrected average. The fatal cases of *scarlet fever*, which had numbered 13 and 20 in the two previous weeks, declined last week to 12, and were 17 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1414 scarlet-fever patients at the end of last week, the numbers on the six preceding Saturdays having increased from 1133 to 1348; 159 cases were admitted during the week, against 150 and 153 in the two preceding weeks. The 19 deaths from *diphtheria* were slightly fewer than the number in the three preceding weeks, but exceeded the corrected average by one. The deaths from *whooping-cough*, which had increased in the three preceding weeks from 52 to 66, declined again last week to 56, being, however, 3 in excess of the corrected average. The 111 deaths from *diarrhoea* were less than one-third of the corrected average, though showing a further increase on the numbers in recent weeks; 105 were of children under five years of age. The death of a child, aged 15 months, was referred to "*cholera*, exhaustion, 5 days."

The deaths attributed to *enteric fever*, which had been 9, 6, and 9 in the three previous weeks, declined again last week to 6, and were 5 below the corrected average. The Metropolitan Asylum Hospitals contained 48 cases of cases of enteric fever, and 2 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 5 and 7 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 244 and 225 in the two previous weeks, further declined last week to 216, exceeding the corrected average, however, by 34.

Different forms of violence caused 49 deaths, concerning all but 1 of which inquests were held. Of these 49 deaths, 7 were cases of suicide, and 4 of murder or manslaughter, while the remaining 38 were attributed to accident or negligence. Seven of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 7 by drowning, and 7 (including 6 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3142 births and 1900 deaths were registered, corresponding to annual rates of 28·5 and 17·2 per 1000 of the estimated population. In the Outer Ring 25 deaths from measles, 19 from diarrhoea, and 8 from whooping-cough were recorded. The deaths from measles included 8 in Tottenham, 4 in Croydon, and 3 in Bromley sub-districts; eight deaths from diarrhoea occurred in the district of West Ham, and 2 from diphtheria in the sub-district of West Ham.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·75 ins.; the lowest reading was 29·59 ins. on Thursday evening, and the highest 30·00 ins. at the end of the week. The mean temperature of the *air* was 61°·4, and 2°·0 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, excepting on Tuesday, the deficiency of temperature on Saturday exceeding 7°·0. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 11·2 miles per hour, which was 1·6 mile above the average in the corresponding weeks of 16 years. *Rain* fell on four days of the week, to the aggregate amount of 2·08 inches. The duration of registered bright sunshine in the week was 21·7 hours, against 28·7 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 19th July 1890.

CITIES AND BOROUGH.	Cols.	Registered during the Week ending 19th July, 1890.			The Deaths registered in the Week include										TEMPERATURE OF THE AIR.						RAINFALL.		CITIES AND BOROUGH.						
		1.	2.	3.	Deaths of		Deaths from						Inquest Cases.				Annual Rate per 1000, corresponding to the Week's Deaths		Mean.			In Inches.		In Centi- metres.					
					Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.	Unclassified Causes of Death.	From All Causes.	From Diseases of 6-12.	Fahrenheit.		Centigrade.								
																			Highest.	Lowest.									
28 TOWNS	-	9,715,559	5468	3351	910	685	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.	- 28 TOWNS.	
LONDON	-	4,421,661	2346	1622	445	203	-	104	159	55	31	86	23	172	118	232	602	57	17.9	18.0	2.8	76.6	43.6	58.0	14.44	1.07	2.72	-	LONDON.
BRIGHTON	-	123,659	58	36	9	14	-	-	-	12	19	56	7	111	49	113	347	7	17.9	3.6	15.2	76.6	49.5	61.4	16.33	2.08	5.28	-	BRIGHTON.
PORTSMOUTH	-	142,952	78	30	5	5	-	1	1	2	-	-	1	-	2	3	4	-	10.9	1.5	-	-	-	-	-	-	-	-	PORTSMOUTH.
NORWICH	-	95,352	44	26	3	11	-	-	-	-	-	-	-	-	2	5	-	-	14.2	0.0	-	-	-	-	-	-	-	-	NORWICH.
PLYMOUTH	-	78,750	28	32	7	11	-	-	6	1	1	1	-	1	1	1	7	-	21.2	6.0	-	71.0	51.0	56.7	13.72	2.81	7.14	-	PLYMOUTH.
BRISTOL	-	282,248	136	80	19	21	-	2	1	-	-	-	1	4	2	5	17	2	18.0	1.8	-	67.0	50.0	57.7	14.28	1.39	3.53	-	BRISTOL.
WOLVERHAMPTON	-	83,406	59	26	7	6	-	-	-	-	-	-	-	-	-	-	3	-	13.8	0.0	-	72.7	43.6	57.8	14.33	0.78	1.98	-	WOLVERHAMPTON.
BIRMINGHAM	-	461,865	265	150	49	23	-	6	3	-	-	2	-	8	5	10	25	2	16.9	2.1	-	-	-	-	-	-	-	-	BIRMINGHAM.
LEICESTER	-	154,344	103	58	28	14	-	1	1	-	-	-	-	17	2	5	10	3	19.6	6.4	-	-	-	-	-	-	-	-	LEICESTER.
NOTTINGHAM	-	244,969	126	73	12	18	-	2	-	-	-	-	2	-	3	5	4	1	15.5	0.9	-	71.9	46.0	58.9	14.94	0.59	1.50	-	NOTTINGHAM.
DERBY	-	100,871	57	23	5	5	-	-	-	-	-	-	-	-	1	1	5	-	11.9	2.6	-	-	-	-	-	-	-	-	DERBY.
BIRKENHEAD	-	105,049	63	31	10	8	-	3	1	-	-	-	-	-	-	-	7	-	15.4	3.0	-	-	-	-	-	-	-	-	BIRKENHEAD.
LIVERPOOL	-	613,463	326	228	55	34	-	9	15	5	5	5	3	2	11	13	33	15	19.4	3.3	-	67.9	51.7	57.8	14.33	0.70	1.78	-	LIVERPOOL.
ROLTON	-	115,846	61	42	6	9	-	1	-	-	-	1	-	-	-	3	4	-	18.9	0.9	-	-	-	-	-	-	-	-	ROLTON.
MANCHESTER	-	379,437	282	191	35	23	-	5	5	4	3	3	1	7	6	12	43	3	23.2	3.4	-	-	-	-	-	-	-	-	MANCHESTER.
SALFORD	-	242,509	118	67	11	15	-	1	4	2	1	-	1	1	1	3	10	-	14.4	1.9	-	-	-	-	-	-	-	-	SALFORD.
OLDHAM	-	146,716	77	34	5	5	-	-	-	-	-	-	-	-	1	2	2	-	12.1	0.4	-	-	-	-	-	-	-	-	OLDHAM.
BLACKBURN	-	123,553	78	40	8	13	-	-	-	-	-	-	-	-	2	2	11	2	16.9	0.0	-	-	-	-	-	-	-	-	BLACKBURN.
PRESTON	-	105,163	82	42	14	6	-	-	-	-	-	-	-	-	-	2	8	-	20.8	0.0	-	-	-	-	-	-	-	-	PRESTON.
HUDDESFIELD	-	94,253	46	28	3	12	-	-	-	-	-	-	-	-	2	2	3	-	15.5	0.0	-	-	-	-	-	-	-	-	HUDDESFIELD.
HALIFAX	-	82,034	45	30	9	10	-	-	-	-	-	1	-	-	-	1	3	4	19.1	0.6	-	-	-	-	-	-	-	-	HALIFAX.
BRADFORD	-	240,515	109	68	17	9	-	8	-	-	1	1	1	3	1	2	7	2	14.7	3.0	-	69.9	52.2	57.4	14.11	0.73	1.85	-	BRADFORD.
LEEDS	-	363,769	243	151	54	38	-	-	-	-	-	4	-	9	6	15	15	2	21.6	1.9	-	-	-	-	-	-	-	-	LEEDS.
SHEFFIELD	-	332,897	217	137	44	17	-	7	-	-	-	3	1	4	5	8	4	12	21.5	3.4	-	-	-	-	-	-	-	-	SHEFFIELD.
HULL	-	213,853	142	51	12	13	-	-	7	-	-	-	-	-	2	4	4	1	12.4	1.0	-	75.0	49.0	58.8	14.89	0.33	0.84	-	HULL.
SUNDERLAND	-	186,506	80	47	12	15	-	-	-	-	-	2	-	2	2	4	4	1	12.0	1.5	-	-	-	-	-	-	-	-	SUNDERLAND.
NEWCASTLE	-	162,987	122	68	17	14	-	-	-	-	-	-	2	-	4	8	7	11	21.8	1.9	-	-	-	55.4	13.00	0.22	0.56	-	NEWCASTLE.
CARDIFF	-	137,012	82	40	9	13	-	-	2	-	-	-	3	1	1	4	3	1	17.8	0.9	-	-	-	-	-	-	-	-	CARDIFF.
EDINBURGH	-	271,135	126	87	23	14	-	-	-	2	4	-	-	3	6	?	18	16	16.7	1.7	-	69.6	46.0	57.5	14.17	0.85	2.16	-	EDINBURGH.
GLASGOW	-	120,208	336	162	39	29	-	15	1	1	13	-	-	4	5	?	19	15	13.9	3.3	-	44.0	37.6	57.6	14.22	0.55	1.40	-	GLASGOW.
DUBLIN	-	353,082	174	140	23	40	-	5	-	-	3	4	-	-	5	6	46	10	20.7	1.8	-	71.2	40.6	55.4	13.00	0.35	0.89	-	DUBLIN.



TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-NINTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89,*	1890
<b>TOTAL Births</b>	2595	2451	2453	2559	2669	2423	2572	2724	2385	2627	2776.1	2346
Males . .	1303	1223	1288	1316	1370	1297	1338	1401	1242	1341	1430.6	1230
Females .	1292	1228	1165	1243	1299	1126	1234	1323	1143	1286	1345.5	1116
<b>TOTAL Deaths</b>	1482	1943	1321	1781	2007	1636	1716	1977	1297	1556	1822.8	1522
Males . .	799	1014	676	906	1025	849	895	1050	631	816	949.9	805
Females .	683	929	645	875	982	787	821	927	616	740	872.9	717

\* The numbers in this column are the average weekly numbers in the twenty-ninth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.
<b>TOTAL Births</b>	2538	2613	2308	2468	2443	2091	2399	2477	2516	2359	2480	2472	2346
<b>TOTAL Deaths</b>	1567	1533	1469	1466	1451	1411	1393	1375	1387	1346	1431	1471	1522
<b>Ages at</b>													
{ 0-20 years	742	721	712	707	739	713	667	658	672	669	793	800	823
{ 20-40 "	197	210	170	178	166	186	186	172	177	155	165	174	157
{ 40-60 "	255	227	243	261	235	222	250	229	239	254	239	214	249
<b>Death</b>													
{ 60-80 "	313	305	274	257	239	244	235	247	248	220	237	231	250
{ 80 years & upwards	60	70	70	63	72	46	55	69	51	43	47	52	43
<b>"</b>													
{ Under 1 year	369	337	360	339	335	349	285	297	313	339	423	428	445
{ 1-5	286	294	251	266	307	250	280	267	262	256	281	281	277
{ 5-20	87	82	101	102	97	114	120	94	92	74	89	91	101
<b>Deaths from Small-pox</b>	-	1	-	-	1	-	-	-	-	-	-	-	-
" " Measles	61	67	62	70	94	83	91	100	99	101	100	99	104
" " Scarlet fever	17	15	12	17	15	14	11	11	15	7	13	20	12
" " Diphtheria	20	18	25	21	24	25	20	24	19	24	21	22	19
" " Whooping-cough	88	86	99	88	91	78	75	59	66	52	57	66	56
" " Typhus	-	1	-	-	-	1	1	-	2	-	-	-	-
" " Enteric fever	6	6	3	8	6	3	7	11	6	9	6	9	6
" " Simple Cont <sup>d</sup> fever	1	-	-	2	-	-	1	1	1	-	2	-	1
" " Diarrhoea and Dysentery	13	21	11	17	10	10	8	15	24	51	85	107	111
" " Cholera	-	-	-	-	1	-	1	-	2	2	4	4	1
" " all the above- mentioned Diseases	206	215	212	223	242	214	215	221	232	243	233	327	310
" " Dis. of Respira- tory System	345	326	301	300	294	259	229	240	215	206	244	225	216
" " Phthisis	154	143	139	154	117	116	138	133	131	136	115	132	150
" " Dis. of Circula- tory System	119	140	132	124	121	117	131	122	120	99	105	103	117
<b>Violent Deaths</b>	61	61	62	45	66	64	50	36	54	49	55	40	49
<b>Inquest Cases</b>	125	124	134	100	119	123	109	87	86	99	97	100	113
<b>Deaths in Public Institutions</b>	374	342	326	376	324	328	331	327	314	299	311	321	347
<b>TEMPERATURE OF THE AIR</b>													
Mean	47.1	50.7	52.4	55.3	58.3	54.0	56.5	56.6	59.3	60.6	55.7	55.7	61.4
Mean of Highest readings	56.7	62.2	61.6	67.4	71.0	65.9	67.9	70.9	71.5	66.6	65.6	65.2	72.1
Mean of Lowest readings	40.1	38.9	44.6	45.6	45.6	44.0	48.1	48.1	49.8	52.5	48.6	48.4	54.3
<b>Humidity of the Air</b>	82	67	80	69	65	65	76	81	76	82	84	83	81
<b>Rain-fall in inches</b>	1.00	0.07	0.56	0.56	0.14	0.07	0.31	0.76	0.38	0.78	1.77	0.86	2.08
<b>Registered Sunshine (in hours)</b>	15.9	63.9	14.2	54.0	71.2	51.9	25.1	23.4	29.3	36.2	23.5	17.9	21.7

## METEOROLOGICAL OBSERVATIONS. (See TABLE 2.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrothessley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., M.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different CAUSES in the TWENTY-NINTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 29th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 19th July 1890.										CAUSES OF DEATH.	Corrected Averages for the 29th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 19th July 1890.												
		Deaths of Persons of the Ages												Deaths of Persons of the Ages												
		ALL AGES.												ALL AGES.												
		0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	0-1.	1-5.	5-20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.									
ALL CAUSES - -	1822.8	1522	415	277	101	157	249	250	43			Diseases of Organs of Special Sense † - -	2.4	1	-	-	1	-	-	-	-	-	-	-	-	-
Small-pox { Vaccinated † - -	1.8	-	-	-	-	-	-	-	-			Diseases of Circulatory System - - -	98.0	117	1	-	11	16	43	42	4					
{ Unvaccinated - -	3.8	-	-	-	-	-	-	-	-			Croup - - -	10.5	4	2	2	-	-	-	-	-	-	-	-	-	-
{ No Statement - -	3.3	-	-	-	-	-	-	-	-			Bronchitis - - -	91.5	113	31	23	1	3	15	31	7					
Measles - - -	52.5	101	19	79	6	-	-	-	-			Pneumonia - - -	55.3	73	13	27	6	7	7	11	-					
Scarlet Fever - -	28.6	12	1	6	5	-	-	-	-			Pleurisy - - -	5.0	4	-	1	-	1	1	-	1					
Diphtheria - - -	1.1	-	-	-	-	-	-	-	-			Other Diseases of Respiratory System - -	19.8	22	6	6	-	-	4	6	-					
Erysipelas - - -	0.0	-	-	-	-	-	1	-	-			Dentition † - - -	15.2	13	6	7	-	-	-	-	-	-	-	-	-	
Whooping-cough -	0.0	1	-	-	-	-	-	-	-			Quinsy, Sore Throat † -	1.6	2	-	-	1	1	-	-	-	-	-	-	-	
Scarlatina - - -	53.5	56	19	36	1	-	-	-	-			Enteritis - - -	20.0	10	13	1	1	1	2	2	-					
Epidemic Typhus -	18.1	10	1	11	7	-	-	-	-			Peritonitis - - -	8.4	2	-	-	-	2	-	-	-	-	-	-	-	
Temple Continued and Ill-defined Fever -	1.3	1	-	-	-	1	-	-	-			Diseases of Liver - -	36.2	20	2	-	1	-	9	7	1					
Enteric Fever - -	10.6	6	-	-	2	4	-	-	-			Other Diseases of Digestive System -	34.7	32	11	-	1	4	7	8	1					
Cholera and Chol. Diarr.	12.3	1	-	1	-	-	-	2	4			Diseases of Lymphatic System & of Ductless Glands † - -	1.9	-	-	-	-	-	-	-	-	-	-	-	-	
Dysentery - - -	841.3	111	87	18	-	-	-	-	-			Diseases of Urinary System - - -	34.2	45	1	1	-	8	16	18	1					
Intermittent Fever † -	0.0	-	-	-	-	-	-	-	-			Diseases of Generative System - - -	7.1	7	-	-	-	2	3	2	-					
Hydrophobia - -	0.4	-	-	-	-	-	-	-	-			Accidents of Childbirth -	2.6	4	-	-	-	3	1	-	-					
Rabies - - -	0.2	-	-	-	-	-	-	-	-			Diseases of Locomotive System † - - -	7.0	9	-	-	2	2	4	1	-					
Scabies and Effects of Vaccination † - -	0.4	-	-	-	-	-	-	-	-			Diseases of Integumentary System - - -	6.7	2	1	-	-	-	-	1	-					
Scarlatina - - -	15.0	18	12	-	-	-	3	2	-			VIOLENT DEATHS. ‡														
Erysipelas - - -	4.9	2	1	-	-	-	1	-	-			(ACCIDENT.)														
Dysentery and Septicæmia †	3.4	-	-	-	-	-	-	-	-			Fracture and Contusion -	19.1	13	-	5	5	4	1	3	-					
Intermittent Fever -	8.6	5	-	-	-	5	-	-	-			Gunshot Wound - - -	0.2	-	-	-	-	-	-	-	-					
Other Zymotic Diseases †	2.3	-	-	-	-	-	-	-	-			Cut, Stab - - -	0.4	-	-	-	-	-	-	-	-					
Scarlatina - - -	5.2	3	3	-	-	-	-	-	-			Burn and Scald - - -	3.4	4	-	1	-	-	1	1	1					
Forms and other Parasitic Diseases - -	0.5	-	-	-	-	-	-	-	-			Poison - - -	2.3	-	-	-	-	-	-	-	-					
Scarlatina - - -	2.7	1	1	-	-	-	-	-	-			Drowning - - -	11.1	7	1	-	-	5	1	-	-					
Alcoholism - - -	4.5	13	-	-	-	4	9	-	-			Suffocation - - -	9.7	7	6	-	1	-	-	-	-					
{ Rheumatic Fever, } 5.1	7	-	-	1	2	1	3	-	-			Otherwise - - -	3.5	2	1	-	1	-	-	-	-					
{ Rheumatism of Heart } 2.1	2	-	-	-	-	1	1	-	-			(HOMICIDE.)														
{ Rheumatism † - -	3.5	2	-	-	-	1	1	-	-			Murder & Manslaughter	1.3	4	3	-	-	1	-	-	-					
{ Erysipelas † - -	5.1	2	1	1	-	-	-	-	-			(SUICIDE.)														
{ Cancer - - -	53.3	62	-	-	2	6	25	27	2			Gunshot Wound - - -	1.0	2	-	-	-	-	2	-	-					
{ Scabies Mesenterica } 43.7	41	29	6	4	1	1	-	-	-			Cut, Stab - - -	1.5	-	-	-	-	-	-	-	-					
{ Tubercular Meningitis } 32.6	30	15	12	3	-	-	-	-	-			Poison - - -	1.4	4	-	-	-	1	2	1	-					
{ Phthisis - - -	155.4	150	3	3	21	59	53	11	-			Drowning - - -	2.1	-	-	-	-	-	-	-	-					
{ Scrophula, Tuberculosis } 23.8	22	9	2	4	5	2	-	-	-			Hanging - - -	1.9	-	-	-	-	-	-	-	-					
{ Other Constitutional Diseases † - -	9.3	7	1	-	1	3	1	1	-			Otherwise - - -	0.8	1	-	-	-	-	-	1	-					
{ Premature Birth - -	41.1	43	43	-	-	-	-	-	-			(EXECUTION.)														
{ Tetanosis † - -	2.7	4	4	-	-	-	-	-	-			Hanging - - -	0.0	-	-	-	-	-	-	-	-					
{ Congenital Malformations - -	6.7	3	3	-	-	-	-	-	-			OTHER CAUSES † - -	88.7	59	43	7	-	-	2	3	1					
{ Old Age - - -	42.2	31	-	-	-	-	15	16	-																	
{ Apoplexy - - -	37.3	40	1	-	-	3	9	23	4																	
{ Epilepsy - - -	6.8	9	1	2	2	1	2	1	-																	
{ Convulsions - - -	65.4	31	25	6	-	-	-	-	-																	
{ Other Diseases of Brain and Nervous System } 91.6	86	17	14	11	2	15	23	4	-																	

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. † As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not ascribed by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation. 1881	TOTAL BIRTHS.	TOTAL DEATHS.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.
				Animals under 1 Year of Age.	Persons aged 40 Years and under.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipels (Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON	3,815,704	2346	1522	445	293	-	104	12	19	56	-	6	1	111	49	113	347		
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.	69993	43	25	8	7	-	5	-	-	-	-	-	-	2	-	2	5		
St. John Paddington H - - - G.J.	37390	9	20	4	3	-	-	-	-	-	-	1	-	1	3	5	11		
Kensington Town Ww - - - W.M.	190141	63	48	15	13	-	7	-	-	-	-	-	-	2	1	1	14		
Brompton H - - - W.M. & C.	48010	17	10	-	2	-	1	-	-	-	-	-	-	-	-	-	6		
St. Peter Hammersmith - - - W.M.	7599	4	4	8	-	-	-	-	-	1	-	-	-	1	-	1	-		
St. Paul Hammersmith H W.M. & G.J.	64340	47	23	11	4	-	3	-	-	2	-	-	-	2	2	2	4		
Fulham Ww - - - W.M. & C.	42900	35	60	20	4	-	7	-	2	-	-	-	-	7	-	1	11		
Chelsea South HHH - - - C.	30396	22	9	1	3	-	1	-	-	-	-	-	-	-	-	-	-		
Chelsea North-west WHHHHH - - - C.	24925	14	19	4	6	-	-	-	-	-	-	-	-	3	1	3	10		
Chelsea North-east - - - C.	32807	19	6	3	-	-	2	-	-	-	-	-	-	-	-	-	-		
May Fair WW - - - G.J.	80353	12	20	2	10	-	-	-	-	-	-	-	-	1	-	-	14		
Belgrave WHH - - - C.	59220	25	15	1	6	-	-	-	-	-	-	-	-	1	1	3	5		
St. John Westminster HHH - - - C.	35496	25	15	3	2	-	1	-	-	-	-	-	-	2	1	1	1		
St. Margaret Westminster H - - - C.	24679	7	9	3	4	-	-	-	1	-	-	-	-	-	1	1	5		
St. James Westminster WHH N.R. & G.J.	20941	10	7	-	1	-	-	-	-	1	-	-	-	-	-	1	1		
St. Anne Soho HHHHHHH - N.R.	18608	7	5	-	2	-	-	-	-	-	-	-	-	-	-	1	1		
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.	26759	13	15	5	2	-	1	-	1	-	-	-	-	-	-	1	7		
Clarendon Square HHHH - - - W.M.	14391	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Rectory Marylebone WH G.J. & W.M.	24809	9	7	1	1	-	-	-	-	-	-	-	-	1	-	-	-		
St. Mary Marylebone HHH G.J. & W.M.	21118	24	6	4	-	-	2	-	-	-	-	-	-	1	1	1	1		
Christchurch Marylebone HH - - - W.M.	33700	16	11	3	1	-	-	-	-	-	-	-	-	2	-	-	-		
St. John Marylebone H - - - W.M.	33633	17	12	3	3	-	2	-	-	-	-	-	-	-	-	1	-		
Hampstead WwHHHH N.R. & W.M.	45452	29	9	2	2	-	-	-	-	1	-	-	-	1	-	-	-		
Regent's Park Paneras H - - - W.M.	39115	14	7	2	-	-	-	-	1	-	-	-	-	-	-	-	-		
Tottenham-court WHHHH N.R. & W.M.	27729	15	17	6	1	-	-	-	-	-	-	-	-	1	-	1	11		
Gray's Inn Lane HHH - - - N.R.	30247	21	10	2	-	-	1	-	-	-	-	-	-	2	1	3	2		
Somers Town H - - - N.R.	34389	27	8	5	-	-	-	-	-	-	-	-	-	3	-	1	7		
Somers Town WH - - - N.R.	17811	13	9	2	1	-	-	-	-	1	-	1	-	1	1	5	7		
Kentish Town W - - - N.R.	67487	61	36	16	2	-	-	-	-	3	-	-	-	8	-	5	6		
Upper Holloway WwWH - - - N.R.	67846	53	39	13	13	-	2	-	-	1	-	-	-	3	2	9	19		
Islington South-west HH - - - N.R.	100976	74	41	17	3	-	2	1	2	5	-	-	-	4	2	5	1		
Islington South-east - - - N.R.	61835	35	19	6	7	-	-	-	-	1	-	-	-	1	4	-	-		
Highbury H - - - N.R.	52048	17	6	1	4	-	-	-	-	-	-	-	-	2	-	-	-		
Stoke Newington H - - - N.R.	22781	8	9	3	-	-	-	-	-	4	-	-	-	-	-	-	-		
Stamford Hill - - - E.L.	9277	10	9	2	-	-	1	-	-	-	-	-	-	1	1	-	-		
West Hackney H - - - N.R.	37610	19	11	4	2	-	1	-	-	2	-	1	-	1	1	1	-		
Hackney WwWH - - - E.L. & N.R.	76911	49	50	10	9	-	4	5	4	1	-	-	-	1	1	1	23		
South Hackney - - - E.L.	39893	19	19	8	5	-	1	-	-	1	-	-	-	4	1	1	-		
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - - N.R.	16981	9	5	2	-	-	-	-	-	-	-	-	-	1	-	-	-		
St. Giles South WH - - - N.R.	14884	2	7	-	3	-	-	-	-	-	-	-	-	-	-	-	5		
St. Giles North - - - N.R.	18837	2	2	1	1	-	-	-	-	-	-	-	-	1	-	-	-		
St. Martin-in-the-Fields HH N.R. & C.	17508	7	12	2	6	-	-	-	1	-	-	-	-	-	1	2	6		
St. Mary-le-Strand H - - - N.R.	7515	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Dances H - - - N.R.	8559	3	9	3	1	-	-	-	1	-	-	-	-	-	1	6	1		
Strand Union Workhouse, Edmonton w.	-	1	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-		
St. Geo. the Martyr HHHHHHH N.R.	18871	6	11	3	-	-	1	-	-	-	-	-	-	1	-	-	4		
St. Andrew Eastern W - - - N.R.	10706	6	7	3	-	-	-	-	-	-	-	-	-	1	1	1	-		
Saffron Hill H - - - N.R.	6538	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - - - N.R.	17516	13	2	-	1	-	-	-	-	-	-	-	-	-	-	1	-		
Amwell Clerkenwell - - - N.R.	19281	6	3	1	1	-	-	-	-	-	-	-	-	1	-	-	-		
Pentonville - - - N.R.	14773	4	5	1	2	-	-	-	-	-	-	-	-	-	1	2	-		
Goswell-street - - - N.R.	17506	17	10	2	6	-	-	-	-	1	-	-	-	1	-	-	-		
Old-street H - - - N.R.	11541	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HHL - - - N.R.	18628	16	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Whitecross-street - - - N.R.	9217	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury - - - N.R.	7433	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham, w.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - - - N.R. & E.L.	11174	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	1		
Cripplegate - - - N.R.	7193	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - - - N.R.	5358	3	14	1	2	-	-	-	-	1	-	-	-	-	-	-	12		
St. Bride W - - - N.R.	8396	5	4	3	1	-	-	-	-	-	-	-	-	-	1	-	-		
Allhallows Barking - - - N.R.	13666	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - - - N.R.	5922	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Workhouses which supply the different sub-districts:—J. J. signifies Great Junction Company; W. M. West Middlesex; C. Chelsea; S. South and Vauxhall; L. Lambeth; N. B. New River; E. L., East London; and K., the Kent Company.

R, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
day, 19th July, 1890.

		The DEATHS registered in the Week include																
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of													
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
EAST DISTRICTS.																		
St. George's South	HL*	-	N.R.	22848	11	10	3	1	-	-	1	-	-	-	1	-	-	1
New Town	w	-	N.R.	29937	20	10	1	3	-	-	-	-	-	-	-	-	1	
Old Town	-	-	N.R.	28038	14	6	2	1	-	-	1	-	-	-	-	-	1	
St. George's North	WH	-	N.R. & E.L.	45275	85	23	7	4	-	-	-	-	-	-	-	-	1	
St. George's North	H	-	E.L.	51187	33	14	6	2	-	-	-	1	-	-	1	1	-	
St. George's South	-	-	E.L.	34369	26	8	2	1	-	-	-	-	-	-	1	3	-	
St. George's East	WHL*	-	E.L.	41405	32	23	7	5	-	-	-	-	-	-	1	9	-	
St. George's North	-	-	E.L. & N.R.	22585	10	7	3	1	-	-	1	-	-	-	2	1	-	
New Town	W	-	E.L.	15473	16	12	4	4	-	-	1	-	-	-	1	1	6	
St. George's Church	H	-	E.L. & N.R.	17490	12	16	1	2	-	-	1	-	-	-	1	2	13	
St. George's North	-	-	E.L.	9713	7	2	2	1	-	-	-	-	-	-	1	-	-	
St. George's South	-	-	N.R. & E.L.	6102	4	4	2	2	-	-	-	-	-	-	-	-	-	
St. George's North	-	-	E.L.	38747	28	10	2	2	-	-	1	2	-	-	1	1	8	
St. George's East	W	-	E.L.	8410	2	10	4	3	-	-	1	-	-	-	1	1	-	
St. George's North	-	-	E.L. & N.R.	10335	4	19	9	-	-	1	-	2	-	1	3	-	7	
St. George's South	-	-	E.L.	16107	8	4	-	1	-	-	-	-	-	-	1	-	-	
St. George's East	-	-	E.L.	32041	14	11	6	4	-	-	-	1	-	-	-	-	1	
St. George's North	-	-	E.L.	37960	23	10	5	-	-	-	-	2	-	-	2	1	-	
St. George's South	-	-	E.L.	67533	40	29	10	5	-	2	-	1	-	-	-	5	-	
St. George's North	-	-	E.L.	37074	17	16	3	1	-	2	-	-	3	-	2	1	2	
St. George's South	-	-	E.L.	64359	40	31	6	0	-	-	-	-	-	-	2	14	-	
St. George's East	-	-	E.L.	55077	25	20	6	2	-	1	-	-	-	1	3	1	-	
SOUTH DISTRICTS.																		
St. George's South	WH	L. & S.	13663	10	5	1	-	-	-	-	-	-	-	-	-	-	-	
St. George's North	-	S.	14999	9	4	-	1	-	-	1	-	-	-	-	-	1	-	
St. George's East	-	S. & L.	21381	12	12	4	2	-	-	1	-	-	-	-	-	2	5	
St. George's South	WH	-	S. & L.	15953	17	10	5	-	-	1	-	-	-	-	2	-	-	
St. George's North	HL	-	L. & S.	21318	10	8	3	3	-	2	-	-	-	-	1	-	-	
St. George's South	-	S. & L.	26672	8	9	6	3	-	-	1	-	-	-	-	-	-	1	
St. George's North	W	-	S. & L.	59555	39	14	6	3	-	-	-	-	-	-	3	-	-	
St. George's South	-	L. & S.	21623	11	5	4	1	-	-	-	-	-	-	-	-	-	-	
St. George's North	-	S.	11956	11	16	3	4	-	-	-	-	-	-	-	1	2	11	
St. George's East	-	S. & L.	16300	8	5	2	1	-	-	-	-	-	-	-	1	1	-	
St. George's North	W	-	S.	15699	7	5	1	3	-	-	-	-	-	-	1	3	-	
St. George's South	-	S.	54892	36	14	2	-	-	-	1	1	-	-	-	1	1	-	
St. George's East	WH	-	S. & K.	36024	27	13	4	1	-	2	-	-	-	-	-	-	-	
St. George's North	1st H	-	L. & S.	15195	9	7	-	1	-	-	-	-	-	-	1	1	1	
St. George's South	2nd H	-	L. & S.	16351	15	17	5	-	-	-	-	-	-	-	1	-	-	
St. George's North	1st H	-	L. & S.	19876	17	14	3	1	-	1	1	-	-	-	1	5	-	
St. George's South	2nd WW	-	L. & S.	39859	22	25	7	4	-	-	-	-	-	-	2	1	1	
St. George's North	1st	-	S. & L.	45232	22	14	7	5	-	-	1	-	-	-	2	-	-	
St. George's South	2nd	-	S. & L.	35392	18	7	3	1	-	-	-	-	-	-	-	-	1	
St. George's North	1st	-	L. & S.	62837	38	18	6	5	-	1	1	-	-	-	-	-	-	
St. George's South	2nd	-	L.	19017	6	4	2	2	-	-	-	-	-	-	-	-	-	
St. George's North	1st	-	S.	54675	49	29	10	3	-	7	-	-	2	-	4	1	1	
St. George's South	2nd	-	S.	52887	47	35	11	9	-	7	-	-	-	-	6	1	0	
St. George's East	WH	-	S.	36380	15	9	2	2	-	1	-	-	-	-	1	2	2	
St. George's North	1st	-	S.	28004	32	16	6	4	-	-	-	-	-	-	1	1	-	
St. George's South	2nd	-	S.	12325	10	4	-	1	-	-	-	-	-	-	-	-	-	
St. George's East	WH	-	L.	25553	18	11	-	2	-	-	-	-	-	-	-	-	-	
St. George's North	1st	-	L. & S.	5590	-	1	-	-	-	1	-	-	-	-	-	1	1	
St. George's South	2nd	-	S. & L.	59104	50	41	8	8	-	-	-	-	-	-	1	1	16	
St. George's East	WH	-	S., L., & K.	71089	44	20	4	3	-	-	-	-	-	-	1	1	-	
St. George's North	1st	-	L. & S.	50810	32	16	7	1	-	2	-	-	-	-	-	-	-	
St. George's South	2nd	-	K.	76752	79	24	8	5	-	3	3	-	-	-	-	2	4	
St. George's East	WH	-	K.	7901	6	2	-	1	-	-	-	-	-	-	-	-	-	
St. George's North	1st	-	K.	21972	10	5	1	2	-	-	-	-	-	-	1	2	8	
St. George's South	2nd	-	K.	24608	25	19	3	3	-	6	-	-	1	-	1	-	-	
St. George's North	1st	-	K.	5048	5	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South	2nd	-	K.	21559	9	4	-	2	-	-	-	-	-	-	-	-	-	
St. George's East	WH	-	K.	19865	18	6	1	2	-	-	-	-	-	-	-	1	-	
St. George's North	1st	-	L.	26076	15	6	-	1	-	-	-	-	-	-	1	1	-	
St. George's South	2nd	-	K.	10930	2	4	3	1	-	-	-	-	-	-	-	-	-	
St. George's East	WH	-	K.	17617	11	4	-	1	-	-	-	-	-	-	-	-	-	
St. George's North	1st	-	K.	19043	8	4	-	-	-	-	-	-	-	-	-	-	-	
St. George's South	2nd	-	K.	14009	8	5	1	-	-	-	-	-	-	-	-	-	-	
St. George's East	WH	-	K.	19241	18	9	3	2	-	1	-	-	-	-	-	1	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's East		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's East		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's East		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's East		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's East		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's East		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's East		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's South		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's East		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. George's North		-	-	-	-	-	-	-	-	-	-	-	-					



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS AND DEATHS registered during Week ending Saturday, 19th July, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,957	796	378	118	81	-	25	-	4	8	2	19	18	30	42	
30:1	Carshalton <i>wL</i> -	12228	21118	12	12	1	5	-	-	-	-	-	-	1	-	-	7	
2	Epsom (part of) * <i>WwH</i>	9971	10710	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
37:1	Godstone (part of) * -	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i> -	20851	101241	68	47	12	9	-	4	-	-	-	-	1	-	1	9	
2	Mitcham <i>w†</i> -	11697	17983	7	5	-	-	-	-	-	-	-	-	-	-	-	-	
39:1	Wimbledon <i>HHH</i> -	3220	15950	18	5	1	1	-	-	-	1	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	8549	36354	19	11	8	3	-	-	-	-	-	-	-	1	2	1	
3	Esher (part of) * -	6601	9221	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4573	13539	9	1	1	-	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i> -	2272	21302	9	5	1	-	-	-	-	-	-	-	1	1	1	2	
2	Mortlake -	2941	12331	11	4	1	2	-	-	-	-	-	-	-	1	1	-	
41:1	Bromley (pt. of) * <i>HH</i>	15663	81142	30	18	6	3	-	5	-	-	-	-	-	-	2	1	
2	Chislehurst (pt. of) * <i>WHH</i>	14307	15844	7	7	3	1	-	-	-	-	-	-	-	-	-	-	
42:1	Bexley <i>H</i> -	13437	24134	20	7	2	1	-	-	-	-	-	-	-	1	1	-	
2	Dartford ( <i>Ww</i> , pts. of) * †	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>w</i> -	11055	11685	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12089	5	7	3	-	-	-	-	-	1	-	-	-	-	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	3	5	1	2	-	1	-	-	-	-	-	-	1	-	
2	Uxbridge -	6178	2225	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14587	11628	8	3	-	3	-	-	-	-	-	-	-	-	-	2	
126:1	Isleworth <i>WHH</i> -	7008	22737	8	9	3	2	-	-	-	-	-	-	-	-	1	2	
2	Twickenham <i>H</i> -	2477	12479	3	3	-	2	-	-	-	-	-	-	-	-	-	1	
3	Brentford <i>HL</i> -	4845	27649	17	11	1	5	-	1	-	-	-	-	1	-	-	-	
4	Chiswick -	1340	15975	18	3	1	-	-	-	-	-	-	-	-	-	-	-	
5	Acton <i>wH</i> -	6085	22876	19	4	-	1	-	-	-	-	-	-	-	-	-	-	
127:1	Harrow <i>H</i> -	13809	12796	6	3	-	-	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i> -	6994	3749	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	35	13	5	3	-	2	-	-	-	1	1	-	3	-	
4	Hendon <i>W</i> -	8382	10434	10	8	5	2	-	-	-	-	-	-	2	-	-	3	
137:1	Bushey -	9831	6621	5	2	-	1	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms -	15199	6391	8	4	2	1	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5433	10092	6	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Finchley <i>HL</i> -	4638	17615	13	10	1	-	-	2	-	-	-	-	-	-	-	3	
135:1	Hatfield (part of) * -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i> -	3039	37078	33	17	5	6	-	1	-	-	1	-	-	2	2	-	
2	Tottenham <i>H</i> -	4642	46456	56	31	16	3	-	8	-	-	-	-	1	3	4	1	
3	Edmonton <i>Ww</i> -	7453	23463	26	6	3	1	-	1	-	-	2	-	-	-	6	1	
4	Enfield <i>WH</i> -	12653	19104	21	12	8	2	-	1	-	-	-	-	-	1	1	1	
5	Waltham Abbey -	11017	3848	7	1	-	1	-	-	-	-	-	-	-	-	1	-	
6	Cheshunt -	8490	7735	6	1	-	-	-	-	-	-	-	-	-	-	-	-	
186:1	Stratford -	882	38606	25	10	6	1	-	-	-	-	-	-	1	1	1	1	
2	West Ham <i>wvH</i> -	4055	90347	114	40	13	6	-	-	-	2	1	1	5	5	6	2	
3	East Ham <i>wv</i> -	3296	10703	30	6	4	1	-	-	-	-	-	-	1	-	-	-	
4	Leyton <i>WwL</i> -	4372	32430	33	23	8	10	-	-	-	-	1	-	1	-	-	5	
5	Walthamstow <i>H</i> -	6520	23859	23	9	3	1	-	1	-	1	-	-	-	-	-	-	
187:1	Chigwell (part of) * <i>H</i>	11761	9669	3	3	2	-	-	-	-	-	-	-	2	-	-	-	
2	Epping ( <i>W</i> , pt. of) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
189:1	Romford (part of) * <i>W</i>	6730	3411	1	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	3493	7645	5	1	-	1	-	-	-	-	-	-	-	-	-	-	
3	Barking Town -	4127	9203	12	8	1	1	-	-	-	-	-	-	1	2	2	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:  
 33:2, Epsom sub-district, except the parishes of Ashted and Headley (pop. 1265); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadman and Knochholt (pop. 1813); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 138:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in the Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 19th July, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
ER LONDON	448,334	5,758,500	17·2	3·3	1900	563	374	-	129	12	23	64	9	130	67	389		
ER LONDON -	77,410	4,421,661	17·9	3·6	1522	445	293	-	104	12	19	56	7	111	49	347		
ER RING	370,924	1,336,839	14·7	2·3	378	118	81	-	25	-	4	8	2	19	18	42		

—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN.		BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
		Week ending					Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
ATTA -	433,219	May	31	-	147	17·7	5	-	-	-	2	44	23†	
AY -	773,196	June	24	287	317	17·8	2	1	?	?	?	96	26	
AS -	398,777	May	30	358	291	37·9	1	10	?	?	?	99	27	
-	-	June	6	367	286	37·3	-	7	?	?	?	86	31	
-	2,260,945	July	12	1064	834	19·2	-	46	6	36*	6	5	66	
ELS - (subourgs.)	477,288	"	12	205	176	18·7	-	2	-	-	1	3	11	
RDAM -	406,302	"	12	258	144	18·4	-	7	1	-	2	1	-	
RDAM -	203,486	"	12	144	59	15·0	-	-	-	-	1	-	-	
LAGUN -	156,497	"	12	101	66	21·9	-	5	-	-	-	-	-	
HAGEN -	312,387	"	12	210	122	20·4	-	13	1	3	-	-	11	
HOLM -	236,350	"	5	128	80	17·6	-	-	5	1	4	-	10	
MANIA -	143,300	"	12	58	47	17·0	-	-	1	2	-	-	12	
TERSEBURG	342,000	"	5	-	485	27·4	5	29	22	8	-	10	92	
-	1,526,887	June	23	965	623	20·9	-	14	2	25	11	2	115	
URG(State)	675,276	July	5	-	-	-	-	-	-	-	-	-	-	
DN -	269,250	"	5	166	111	21·4	-	6	1	4*	-	3	8	
AV -	324,400	"	12	232	200	32·2	-	-	2	6*	2	-	40	
CH -	298,000	"	12	-	171	29·8	-	6	-	3*	-	-	46	
IA -	822,176	"	12	531	324	20·5	2	20	2	2	1	-	37	
UE -	314,425	"	12	-	180	29·9	1	11	5	10	1	3	2	
PESTE -	463,017	"	5	328	276	31·0	-	-	1	12	-	4	53	
TE -	160,092	"	12	99	66	21·4	-	-	-	1	-	-	13	
-	418,217	June	14	203	167	21·8	-	12	-	6	1	3†	25	
(10 days)	314,827	"	20	-	-	-	-	-	-	-	-	-	-	
-	156,515	"	23	78	60	20·0	4	-	-	1	-	1	10	
-	374,838	"	26	333	312	43·3	-	-	-	1	2	26	105	
ANDRIA -	231,396	"	26	164	171	38·4	-	-	-	2*	-	10	46	
YORK -	1,617,997	"	28	-	875	28·2	-	27	6	27	11	1	208	
LYN -	859,612	"	28	-	473	28·7	-	4	1	19	6	3	140	
DELPHIA -	1,064,277	"	28	-	526	25·8	-	1	2	-	2	10	104	
MOBE -	500,343	July	5	-	242	25·2	-	3	3	4	1	5	74	
ORLEANS -	254,000	June	14	-	173	35·5	-	2	1	-	1	5	27	
-	-	"	21	-	166	34·1	-	1	-	-	1	3	28	

\* Including deaths from croup.

† Including 7 deaths from cholera.

‡ Including 1 death from malarial fever.



*Under the Superintendence of the Astronomer Royal.*

DATE.	ELECTRICITY. (For explanation of symbols, see Note.)	Registered Sunshine, in hours.	Sun above Horizon, in hours.
SUNDAY . 13	w. P. . . .	1.6	16.2
MONDAY . 14	w. P. . . .	1.6	16.1
TUESDAY . 15	w. P. generally	7.9	16.1
WEDNESDAY . 16	v. N. and v. P. in morning; w. P. after- wards.	5.4	16.1
THURSDAY . 17	w. P. till 2h. p.m.; s. N. and s. P. after- wards.	0.3	16.0
FRIDAY . 18	w. N. till 6h. a.m.; w. P. afterwards.	1.6	16.0
SATURDAY . 19	w. P. generally, with s. N. between 6h. a.m. and 7h. a.m.	3.3	16.0
		Sum 21.7	Sum 112.5

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 30. 1890. VOL. LI.]      WEEK ENDING SATURDAY, JULY 26.      [Price 1½d.

General Register Office, Somerset House,  
28th July, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17·6 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	July 5.	July 12.	July 19.	July 26.		July 5.	July 12.	July 19.	July 26.
Birkenhead	18·4	18·4	15·4	18·4	Liverpool -	16·7	22·8	19·4	21·0
Birmingham	16·9	19·2	16·9	16·9	London -	17·5	17·4	17·9	16·7
Blackburn -	14·3	18·1	16·9	13·1	Manchester -	25·3	23·1	26·2	24·5
Bolton	25·2	24·3	18·9	20·3	Newcastle-on-Tyne	18·9	25·3	21·8	24·6
Bradford -	20·2	13·9	14·7	17·8	Norwich -	12·6	10·4	14·2	18·0
Brighton -	6·7	16·4	15·2	15·6	Nottingham	14·1	12·8	15·5	16·2
Bristol	11·9	11·0	18·0	16·6	Oldham -	16·3	19·9	12·1	13·1
Cardiff	21·8	13·8	17·8	18·7	Plymouth -	17·2	21·8	21·2	15·9
Derby	14·5	17·6	11·9	11·9	Portsmouth	12·8	13·1	10·9	11·7
Halifax -	18·4	15·3	19·1	14·6	Preston -	21·3	18·8	20·8	18·3
Huddersfield	14·4	14·4	15·5	17·7	Salford	17·8	20·0	14·4	23·2
Hull -	14·6	11·7	12·4	14·4	Sheffield -	16·1	16·9	21·5	19·3
Leeds	20·4	18·1	21·6	17·3	Sunderland	17·6	19·9	18·0	19·9
Leicester -	16·6	19·9	19·6	16·6	Wolverhampton	13·8	12·5	16·3	18·1

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Birmingham and in Birkenhead, 1·1 in London, in Liverpool, and in Bradford, and 2·6 in Plymouth; from *scarlet fever*, 1·0 in Manchester, and 1·3 in Liverpool; and from *diarrhæa*, 2·2 in Norwich, 2·5 in Birkenhead, and 5·1 in Leicester. The rate from *whooping-cough* and from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 39 deaths from *diphtheria* included 20 in London, 4 in Salford, 3 in Newcastle-upon-Tyne, 2 in Liverpool, 2 in Manchester, and 2 in Portsmouth. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2512 BIRTHS and 1418 DEATHS were registered. Allowing for increase of population, the births were 263, and the deaths 448, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17·5, 17·4, and 17·9 in the three preceding weeks, declined last week to 16·7. Thus, during the first four weeks of

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



the current quarter, the death-rate per 1000 averaged 17·4, which was 3·4 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1418 deaths included 94 from measles, 13 from scarlet fever, 20 from diphtheria, 62 from whooping-cough, 2 from enteric fever, 107 from diarrhoea and dysentery, one from choleraic diarrhoea, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 299 deaths were referred to these diseases, being 252 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 9; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 99 and 104 in the two previous weeks, declined again last week to 94, exceeding the corrected average, however, by 42. The fatal cases of *scarlet fever*, which had been 20 and 12 in the two previous weeks, were 13 last week, and were 20 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1439 scarlet-fever patients at the end of last week, the numbers on the nine preceding Saturdays having increased from 1067 to 1414; 135 cases were admitted during the week, against 153 and 159 in the two preceding weeks. The 20 deaths from *diphtheria* exceeded the number in the previous week by one, but were one below the corrected average. The deaths from *whooping-cough*, which had numbered 66 and 56 in the two preceding weeks, increased again last week to 62, and exceeded the corrected average by 14. The 107 deaths from *diarrhoea* were fewer by 4 than the number in the previous week, and were again less than one-third of the corrected average; 102 were of children under five years of age. The death of a male, aged 45 years, in the Fulham Union Infirmary, was attributed to "*choleraic diarrhoea*."

The deaths attributed to *enteric fever*, which had been 9 and 6 in the two previous weeks, further declined last week to 2, and were 12 below the corrected average. The Metropolitan Asylum Hospitals contained 48 cases of enteric fever, and 4 of typhus, on Saturday last; 8 cases of enteric fever were admitted during the week, against 5, 7, and 5 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had declined in the three preceding weeks from 244 to 216, further fell last week to 185, being one below the corrected average.

Different forms of violence caused 56 deaths, concerning all but 2 of which inquests were held. Of these 56 deaths, 8 were cases of suicide, and 2 of murder or manslaughter, while the remaining 46 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 7 by burns or scalds, 1 by poison, 8 by drowning, and 7 (including 6 of infants aged under one year) by suffocation. The death of a laundress, aged 18 years, which occurred in the Fulham Union Infirmary, was certified to have resulted from "sunstroke."

#### GREATER LONDON.

In Greater London 3258 births and 1746 deaths were registered, corresponding to annual rates of 29·5 and 15·8 per 1000 of the estimated population. In the Outer Ring 18 deaths from measles, 17 from diarrhoea, 11 from whooping-cough, and 6 from diphtheria were recorded. The deaths from measles included 4 in Croydon and 4 in Tottenham sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·93 ins.; the highest reading was 30·07 ins. on Sunday at noon, and the lowest 29·77 ins. on Thursday afternoon. The mean temperature of the *air* was 61°·6, and 1°·2 below the average in the corresponding weeks of the 20 years ending 1868. The mean was somewhat above the average on Tuesday, Wednesday, and Thursday, but showed a deficiency on each of the other days of the week, amounting on Sunday to 6°·5. The general direction of the *wind* was Westerly, and the horizontal movement of the air averaged 11·7 miles per hour, which was 2·1 miles above the average in the corresponding weeks of 16 years. *Rain* fell on two days of the week, to the aggregate amount of 0·08 of an inch. The duration of registered bright sunshine in the week was 44·6 hours, against 63·4 hours at Glynde Place, Lewes.





*Births, Deaths, Meteorology.***TABLE 2. LONDON.—Births and Deaths Registered in the THIRTIETH Week of each of the Eleven Years, 1880-90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2438	2755	2577	2631	2530	2459	2701	2579	2353	2376	2775.1	2512
Males . .	1290	1443	1357	1350	1300	1260	1366	1347	1171	1174	1423.9	1283
Females . .	1198	1312	1220	1281	1230	1199	1335	1232	1182	1202	1351.2	1229
<b>TOTAL Deaths</b>	1746	2000	1399	1605	1995	1750	1746	2007	1308	1553	1865.7	1418
Males . .	976	1052	716	847	1064	924	925	1043	631	836	983.4	754
Females . .	770	948	683	758	931	826	821	964	627	717	877.3	664

\* The numbers in this column are the average weekly numbers in the thirtieth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

	May s.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.
<b>TOTAL Births</b>	2613	2308	2468	2443	2091	2399	2477	2516	2359	2480	2472	2346	2512
<b>TOTAL Deaths</b>	1533	1469	1466	1451	1411	1393	1375	1387	1346	1431	1471	1522	1418
Ages at Death { 0-20 years	721	712	707	739	713	667	658	672	669	793	800	823	793
" 20-40 "	210	170	178	166	186	186	172	177	155	165	174	157	132
" 40-60 "	227	243	261	235	222	250	299	239	254	239	214	249	227
" 60-80 "	305	274	257	239	244	285	247	243	220	237	231	250	219
" 80 years & upwards	70	70	63	72	46	55	69	51	43	47	52	43	47
" { Under 1 year	337	360	339	335	349	285	297	318	339	423	428	445	438
" 1-5	294	251	266	307	250	230	267	262	256	281	281	277	282
" 5-20	90	101	102	97	114	102	94	92	74	89	91	101	73
Deaths from Small-pox	1	-	-	1	-	-	-	-	-	-	-	-	-
" Measles	67	62	70	94	83	91	100	99	101	100	99	104	94
" Scarlet fever	15	12	17	15	14	11	11	15	7	13	20	12	13
" Diphtheria	18	25	21	24	25	20	24	19	24	21	22	19	20
" Whooping-cough	86	99	88	91	78	75	59	66	52	57	66	56	62
" Typhus	1	-	-	-	1	1	-	-	2	-	-	-	-
" Enteric fever	6	3	8	6	3	7	11	6	9	6	9	6	2
" Simple Cont'd fever	-	-	2	-	-	1	1	1	-	2	-	1	-
" Diarrhoea and Dysentery	21	11	17	10	10	8	15	24	51	85	107	111	107
" Cholera	-	-	-	1	-	1	-	2	2	4	4	1	1
" all the above-mentioned Diseases	215	212	223	242	214	215	221	232	248	283	327	310	299
" Dis. of Respiratory System	326	301	300	294	259	229	240	215	206	244	225	216	185
" Phthisis	143	139	154	117	116	138	133	131	136	115	132	150	110
" Dis. of Circulatory System	140	132	124	121	117	131	122	120	99	105	108	117	107
Violent Deaths	61	62	45	66	64	50	86	54	49	55	40	49	56
Inquest Cases	124	134	100	119	123	109	87	86	99	97	100	113	111
Deaths in Public Institutions	342	326	376	324	328	331	327	314	299	311	321	347	333
<b>TEMPERATURE OF THE AIR</b>	50.7	52.4	55.3	58.3	54.0	56.5	56.6	59.3	60.6	55.7	55.7	61.4	61.6
Mean	62.2	61.6	67.4	71.0	65.9	67.0	67.9	70.9	71.5	66.6	65.2	72.1	73.9
Mean of Highest readings	38.9	44.6	45.6	45.6	44.0	45.1	48.1	49.8	52.5	43.6	48.4	54.3	52.6
Mean of Lowest readings	67	80	69	65	65	76	81	76	82	84	83	81	75
Humidity of the Air	0.07	0.56	0.56	0.14	0.07	0.31	0.76	0.38	0.78	1.77	0.86	2.08	0.08
Rain-fall in inches	68.9	14.2	54.0	71.2	51.9	25.1	28.4	29.3	36.2	23.5	17.9	21.7	44.6
Registered Sunshine (in hours)													

**METEOROLOGICAL OBSERVATIONS. (See TABLE 2.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. B. Sawyer, Esq., F.S.A., Brighton; John Merrifield Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; F. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

## Deaths from different Causes.

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TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTIETH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 30th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 26th July 1890.									Corrected Averages for the 30th Weeks of the 10 years 1880-89.*	CAUSES OF DEATH.	Corrected Averages for the 30th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 26th July 1890.											
		Deaths of Persons of the Ages												Deaths of Persons of the Ages											
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.				Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					
			0-1.	1-5.	5-20.									0-1.	1-5.	5-20.									
ALL CAUSES - -	1865.7	1418	438	282	73	132	227	219	47			Diseases of Organs of Special Sense † - -	8.1	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox { Vaccinated - - - - -	2.4	-	-	-	-	-	-	-	-			Diseases of Circulatory System - - - - -	91.8	107	1	1	7	19	37	33	4				
Unvaccinated - - - - -	3.3	-	-	-	-	-	-	-	-			Croup - - - - -	10.0	3	1	2	-	-	-	-	-	-	-	-	
No Statement - - - - -	2.8	-	-	-	-	-	-	-	-			Bronchitis - - - - -	91.8	81	23	19	1	-	16	20	13	1	2		
Measles - - - - -	53.1	94	24	68	2	-	-	-	-			Pneumonia - - - - -	58.1	83	19	18	5	8	19	13					
Scarlet Fever - - - - -	33.4	13	-	8	5	-	-	-	-			Pleurisy - - - - -	4.6	5	1	1	1	-	1	1	-	-	-		
Typhus - - - - -	0.2	-	-	-	-	-	-	-	-			Other Diseases of Respiratory System - - - - -	21.0	13	4	4	-	1	3	1	-	-	-		
Relapsing Fever † - - - - -	0.0	-	-	-	-	-	-	-	-			Dentition † - - - - -	16.1	9	4	5	-	-	-	-	-	-	-		
Influenza - - - - -	0.1	1	-	-	-	1	-	-	-			Quinsy, Sore Throat † - - - - -	2.3	3	-	1	1	-	-	1	-	-	-		
Whooping-cough - - - - -	47.7	62	25	36	1	-	-	-	-			Enteritis - - - - -	13.1	29	18	2	1	2	1	5	-	-	-		
Diphtheria - - - - -	20.6	20	1	12	7	-	-	-	-			Peritonitis - - - - -	8.1	6	2	1	2	1	-	-	-	-	-		
Simple Continued and Ill-defined Fever - - - - -	1.7	-	-	-	-	-	-	-	-			Diseases of Liver - - - - -	34.0	25	5	-	-	1	11	7	1	-	-		
Enteric Fever - - - - -	14.2	2	-	-	-	1	1	-	-			Other Diseases of Digestive System - - - - -	35.5	37	9	2	2	4	5	10	5	-	-		
Cholera and Chol. Diarr. - - - - -	11.6	1	-	-	-	-	1	-	-			Diseases of Lymphatic System & of Ductless Glands † - - - -	2.5	2	-	-	-	2	-	-	-	-	-		
Diarrhoea, Dysentery - - - - -	861.1	107	70	23	1	-	-	3	1			Diseases of Urinary System - - - - -	33.5	28	1	-	5	4	8	10	-	-	-		
Remittent Fever † - - - - -	0.7	-	-	-	-	-	-	-	-			Diseases of Generative System - - - - -	5.9	4	-	-	-	3	1	-	-	-	-		
Hydrophobia - - - - -	0.3	-	-	-	-	-	-	-	-			Accidents of Childbirth - - - - -	3.9	4	-	-	-	4	-	-	-	-	-		
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-			Diseases of Locomotive System † - - - -	7.4	3	1	-	-	-	1	1	-	-	-		
Cowpox and Effects of Vaccination † - - - - -	0.5	-	-	-	-	-	-	-	-			Diseases of Integumentary System - - - -	5.3	6	1	1	-	1	-	3	-	-	-		
Veneral Affections - - - - -	15.0	11	9	-	-	1	1	-	-			VIOLENT DEATHS.‡													
Erysipelas - - - - -	5.3	3	1	-	-	-	-	2	-			(ACCIDENT.)													
Pyæmia and Septicæmia † - - - - -	3.3	2	-	-	-	1	1	-	-			Fracture and Contusion - - - - -	32.7	13	-	4	1	5	5	3	-	-	-	-	
Puerperal Fever - - - - -	4.9	2	-	-	-	2	-	-	-			Gunshot Wound - - - - -	0.0	-	-	-	-	-	-	-	-	-	-	-	
Other Zymotic Diseases † - - - - -	1.7	3	1	2	-	-	-	-	-			Cut, Stab - - - - -	0.1	-	-	-	-	-	-	-	-	-	-	-	
Thrush - - - - -	4.5	1	1	-	-	-	-	-	-			Burn and Scald - - - - -	3.3	7	1	2	1	1	2	1	-	-	-	-	
Worms and other Parasitical Diseases - - - - -	0.7	-	-	-	-	-	-	-	-			Poison - - - - -	0.3	1	-	-	-	-	1	-	-	-	-	-	
Starvation, Want of Breast-milk † - - - - -	3.8	1	1	-	-	-	-	-	-			Drowning - - - - -	10.9	8	-	1	3	1	3	-	-	-	-	-	
Alcoholism - - - - -	5.1	3	-	-	-	2	1	-	-			Suffocation - - - - -	8.8	7	6	1	-	-	-	-	-	-	-	-	
Rheumatic Fever, Rheumatism of Heart † - - - - -	4.8	5	-	-	-	3	1	1	-			Otherwise - - - - -	4.4	5	1	-	1	1	1	1	-	-	-	-	
Rheumatism † - - - - -	2.5	-	-	-	-	-	-	-	-			(HOMICIDE.)													
Gout - - - - -	3.4	4	-	-	-	-	-	-	-			Murder & Manslaughter - - - - -	2.0	2	-	-	-	1	1	-	-	-	-	-	
Rickets † - - - - -	4.7	10	3	7	-	-	-	3	-			(SUICIDE.)													
Cancer - - - - -	58.6	64	-	-	1	4	29	27	3			Gunshot Wound - - - - -	1.0	1	-	-	-	-	1	-	-	-	-	-	
Tabs Mesenterica - - - - -	55.9	37	23	13	1	-	-	-	-			Cut, Stab - - - - -	1.6	1	-	-	-	-	-	-	-	-	-	-	
Tubercular Meningitis - - - - -	35.0	28	12	7	2	-	-	-	-			Poison - - - - -	3.0	2	-	-	1	1	-	-	-	-	-	-	
Phthisis - - - - -	163.8	110	3	5	6	47	42	7	-			Drowning - - - - -	1.7	1	-	-	-	-	1	-	-	-	-	-	
Scrofula, Tuberculosis - - - - -	23.6	17	6	8	2	1	-	-	-			Hanging - - - - -	1.2	2	-	-	-	-	-	1	1	-	-	-	
Other Constitutional Diseases † - - - - -	9.5	16	1	-	2	4	4	5	-			Otherwise - - - - -	1.0	2	-	-	1	1	-	-	-	-	-	-	
Premature Birth - - - - -	40.9	30	30	-	-	-	-	-	-			(EXECUTION.)													
Atelectasis † - - - - -	1.7	6	6	-	-	-	-	-	-			Hanging - - - - -	0.0	-	-	-	-	-	-	-	-	-	-	-	
Congenital Malformations - - - - -	8.4	2	2	-	-	-	-	-	-			OTHER CAUSES † - -	95.2	54	51	1	-	-	-	2	-	-	-	-	
Old Age - - - - -	40.1	41	-	-	-	-	-	15	23																
Apoplexy - - - - -	38.5	33	-	-	-	1	11	19	2																
Epilepsy - - - - -	8.1	3	-	-	-	-	2	1	-																
Convulsions - - - - -	63.7	63	52	9	1	-	-	-	-																
Other Diseases of Brain and Nervous System - - - - -	90.4	66	9	13	5	6	8	13	2																

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. † As the ten years average could not be correctly ascertained, the average for the eight years 1883-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



## Deaths from some Zymotic and other Causes.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enu- mer- ated Popu- lation, 1881.	Total BIRTHS.	Deaths of		Deaths from											Inquest Cases.	Deaths in Public Institutions.	Unofficial Causes of Death.
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas or Typhoid Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON		3,815,704	2512	1418	438	266	-	94	13	20	62	-	2	107	56	111	333	10	
WEST DISTRICTS		669,688	343	260	79	55	-	29	2	6	4	-	1	13	7	16	75	1	
NORTH DISTRICTS		905,947	536	294	83	58	-	14	6	6	9	-	-	22	9	17	65	-	
CENTRAL DISTRICTS		282,238	136	119	34	18	-	3	-	2	6	-	-	8	9	13	39	2	
EAST DISTRICTS		692,738	512	276	91	53	-	14	-	1	13	-	1	23	15	32	76	-	
SOUTH DISTRICTS		1,265,148	935	469	149	79	-	34	5	5	30	-	-	36	16	28	78	7	
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.		69888	47	28	11	6	-	5	-	-	-	-	-	8	1	5	1	-	
St. John Paddington H - G.J.		37380	12	11	-	1	-	1	-	-	-	-	-	4	-	2	5	-	
Kensington Town W - W.M.		120141	49	39	12	9	-	5	-	-	-	-	-	2	1	1	2	-	
Brompton H - W.M. & C.		48010	13	8	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Peter Hammersmith - W.M.		7899	1	2	-	2	-	-	-	-	-	-	-	-	1	1	3	-	
St. Paul Hammersmith H W.M. & G.J.		64340	40	26	11	3	-	5	1	1	1	-	-	5	1	2	11	-	
Fulham W - W.M. & C.		42900	54	40	18	5	-	6	-	-	-	-	-	1	-	-	3	-	
Chelsea South HHH - C.		30396	24	14	4	4	-	-	-	-	-	-	-	1	-	-	13	-	
Chelsea North-west WHHHHH - C.		24925	16	10	1	7	2	-	-	2	-	-	-	1	-	1	-	-	
Chelsea North-east - C.		32807	21	16	7	2	-	4	1	2	-	-	-	1	-	-	11	-	
May Fair W - G.J.		80353	6	13	2	8	-	2	-	-	-	-	-	-	1	2	9	1	
Belgrave WHH - C.		59220	25	18	3	4	-	1	-	-	-	1	-	-	1	1	7	-	
St. John Westminster HHH - C.		35496	17	9	5	-	-	-	-	1	-	-	-	-	1	1	1	-	
St. Margaret Westminster H - C.		24679	4	13	3	2	-	-	-	-	-	-	-	-	-	-	1	-	
St. James Westminster WHH N.R. & G.J.		29941	6	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
St. Anne Soho HHHHHH - N.R.		16608	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.		26759	8	13	-	2	-	1	-	-	-	-	-	-	1	1	8	-	
Cavendish Square HHHH - W.M.		14581	4	3	1	4	-	-	-	-	-	-	-	-	-	1	2	-	
Rectory Marylebone WH G.J. & W.M.		24909	6	4	1	4	-	-	-	-	-	-	-	-	-	-	3	-	
St. Mary Marylebone HHH G.J. & W.M.		21118	26	11	4	2	-	-	-	-	-	-	-	1	1	2	-	-	
Christchurch Marylebone HHH - W.M.		33700	14	11	1	2	-	-	-	-	-	-	-	1	1	2	-	-	
St. John Marylebone H - W.M.		33633	20	7	2	2	-	-	-	-	-	-	-	2	2	3	5	-	
Hampstead WWHHHH - N.R. & W.M.		45452	25	19	6	4	-	-	1	1	2	-	-	2	2	3	5	-	
Regent's Park Pancras H - W.M.		39115	19	12	2	1	-	-	-	-	-	-	-	-	1	2	12	-	
Tottenham-court WHHHH N.R. & W.M.		27729	11	17	3	4	-	1	-	-	-	-	-	-	2	2	4	-	
Gray's Inn Lane HHH - N.R.		80247	14	11	3	1	-	-	-	-	-	-	-	6	-	-	-	-	
Somers Town H - N.R.		84369	9	5	1	3	-	-	-	-	-	-	-	-	-	1	1	-	
Camden Town WH - N.R.		17911	53	25	10	6	-	2	-	3	1	-	-	2	-	1	3	-	
Kentish Town W - N.R.		87487	53	36	16	5	-	2	-	-	-	-	-	-	-	-	14	-	
Upper Holloway WWH - N.R.		67946	60	27	11	4	-	1	-	-	1	-	-	4	1	1	-	-	
Islington South-west HH - N.R.		106976	40	15	4	1	-	1	1	-	1	-	-	1	-	1	-	-	
Islington South-east - N.R.		61825	29	12	1	4	-	1	-	-	-	-	-	-	1	1	1	-	
Highbury H - N.R.		52048	16	7	2	1	-	1	-	-	2	-	-	-	-	-	-	-	
Stoke Newington H - N.R.		22751	5	2	1	-	-	1	-	-	-	-	-	-	-	-	1	-	
Stamford Hill - E.L.		9277	23	7	1	4	-	1	-	-	-	-	-	-	-	-	-	-	
West Hackney H - N.R.		37610	56	34	3	7	-	3	-	4	1	1	-	2	-	-	11	-	
Hackney WWHH - E.L. & N.R.		76911	23	13	4	2	-	2	-	-	-	-	-	-	-	-	-	-	
South Hackney - E.L.		39383	23	13	4	2	-	-	-	-	-	-	-	-	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury - N.R.		16681	4	2	-	1	-	-	-	1	-	-	-	-	1	-	2	4	
St. Giles South WH - N.R.		14884	17	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Giles North - N.R.		18887	2	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Martin-in-the-Fields HH N.R. & C.		17508	3	7	1	1	-	-	-	-	-	-	-	-	1	2	6	-	
St. Mary-le-Strand H - N.R.		7515	1	1	1	-	-	-	-	-	-	-	-	-	-	1	2	-	
St. Clement Danes H - N.R.		8569	4	5	2	1	-	-	-	-	-	-	-	-	-	-	2	-	
Strand Union Workhouse, Edmonton W.		-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Geo.-the-Martyr HHHHHH N.R.		18571	6	13	3	3	-	-	-	2	-	-	-	-	-	-	7	-	
St. Andrew Eastern W - N.R.		10706	6	4	2	-	-	-	-	-	-	-	-	-	-	1	1	2	
Saffron Hill H - N.R.		6533	4	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell - N.R.		17516	8	3	1	3	-	-	-	-	-	-	-	-	-	1	1	-	
Amwell Clerkenwell - N.R.		19281	12	6	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville - N.R.		14773	16	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Gooswell-street - N.R.		17506	5	7	5	-	-	1	-	-	-	-	-	1	-	-	-	-	
Old-street H - N.R.		11541	5	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
City-road HHL - N.R.		18628	17	9	6	1	-	1	-	-	1	-	-	1	2	2	2	-	
Whitecross-street - N.R.		9217	2	2	-	-	-	-	-	-	-	-	-	1	1	1	-	-	
Finsbury - N.R.		7468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Holborn Union Workhouse, Mitcham, W.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph H - N.R. & E.L.		11174	7	6	-	1	-	1	-	-	-	-	-	-	-	1	-	-	
Cripple-gate - N.R.		7193	1	3	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
St. Sepulchre H - N.R.		5358	2	15	1	-	-	-	-	-	-	-	-	-	1	1	3	14	
St. Bride W - N.R.		8396	1	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
Allhallows Barking - N.R.		13666	2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street H - N.R.		8652	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—W. house; H—Hospital; L—Lunatic Asylum; L—Private Lunatic Asylum in which paupers are received; W—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the W Companies which supply the different sub-districts:—G J., the Gas and Water Junction Company; W. M., West Middlesex; C., Chelsea; S., Southwark and Vauxhall; L., Lambeth; N. E., New River; E. L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
 rday, 26th July, 1890.

		The DEATHS registered in the Week include																	
REGISTRATION SUB-DISTRICTS.		Enu- me- rated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of											Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	
					Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.				Violence.
EAST DISTRICTS.																			
Ditch South	HL*	- N.R.	22343	13	5	1	2	-	-	-	-	-	-	-	-	1	1		
on New Town	w	- N.R.	29337	22	12	6	3	1	-	-	-	-	-	-	-	2	-		
on Old Town	-	- N.R.	28036	20	6	3	2	-	-	-	-	-	-	-	-	1	-		
on East	WH	- N.R. & E.L.	46275	23	27	13	5	-	-	-	-	-	-	-	-	3	11		
al Green North	H	- E.L.	51157	38	13	7	3	-	-	-	-	-	-	-	-	1	4		
al Green South	-	- E.L.	34389	26	10	4	3	-	-	-	-	-	-	-	-	1	2		
al Green East	WHL*	- E.L.	41405	29	21	4	8	-	-	-	-	-	-	-	-	2	-		
Fields	-	- E.L. & N.R.	22385	16	7	4	-	-	-	-	-	-	-	-	-	-	-		
End New Town	W	- E.L.	15473	21	14	3	3	-	2	-	-	-	-	-	-	1	-		
Michael Church	H	- E.L. & N.R.	17490	13	22	1	3	-	1	-	-	-	-	-	-	1	9		
man's Fields	-	- E.L.	3713	4	3	1	1	-	-	-	-	-	-	-	-	4	5		
ts	-	- N.R. & E.L.	6102	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
George's North	-	- E.L.	38747	24	14	7	2	-	1	-	-	-	-	-	-	1	-		
hn, St. George East	W	- E.L.	8410	11	5	2	1	-	-	-	-	-	-	-	-	4	1		
well H	-	- E.L. & N.R.	10395	7	7	2	-	-	-	-	-	-	-	-	-	1	2		
W	-	- E.L.	16107	9	6	4	-	-	1	-	-	-	-	-	-	2	2		
house	-	- E.L.	32041	18	8	2	2	-	2	-	-	-	-	-	-	-	-		
End Old Town West	H	- E.L.	37940	37	11	6	4	-	-	-	-	-	-	-	-	1	1		
End Old Town East	WwWH	- E.L.	67653	89	20	4	4	-	1	-	-	-	-	-	-	1	2		
EP	-	- E.L.	37074	29	10	2	-	-	3	-	-	-	-	-	-	-	-		
ley wWHH	-	- E.L.	64359	58	41	12	12	-	-	-	-	-	-	-	-	3	7		
r. WWH	-	- E.L.	45077	38	14	3	4	-	-	-	-	-	-	-	-	1	1		
SOUTH DISTRICTS.																			
Church Southwark	WH	- L. & S.	13633	8	5	1	1	-	-	-	-	-	-	-	-	1	-		
aviour Southwark	-	- S.	14999	8	5	1	1	-	2	-	-	-	-	-	-	-	-		
oad	-	- S. & L.	21331	14	10	3	2	-	1	-	-	-	-	-	-	-	-		
ish-road	HL	- S. & L.	15953	8	9	2	1	-	-	-	-	-	-	-	-	-	-		
in-road	WH	- L. & S.	21318	14	9	-	4	-	2	-	-	-	-	-	-	1	-		
y Newington	-	- S. & L.	20372	17	4	3	-	-	1	-	-	-	-	-	-	1	-		
ter Walworth	W	- S. & L.	59555	43	20	9	3	-	-	-	-	-	-	-	-	-	-		
ary Newington	-	- L. & S.	21623	17	11	3	1	-	2	-	-	-	-	-	-	1	1		
ave WH	-	- S.	11956	13	16	1	1	-	-	-	-	-	-	-	-	-	-		
er Market	-	- S. & L.	16890	9	3	-	-	-	-	-	-	-	-	-	-	-	-		
ry Magdalen	W	- S.	15693	15	9	4	1	-	-	-	-	-	-	-	-	1	1		
mes Bermondsey	-	- S.	54033	29	14	4	1	-	-	-	-	-	-	-	-	-	-		
rhithe WH	-	- S. & K.	36924	43	22	9	5	-	1	-	-	-	-	-	-	2	1		
loc-road 1st	H	- L. & S.	15195	10	1	-	-	-	-	-	-	-	-	-	-	-	-		
loc-road 2nd	H	- L. & S.	16351	25	6	2	-	-	-	-	-	-	-	-	-	-	-		
eth Church 1st	H	- L. & S.	19876	14	17	7	1	-	3	-	-	-	-	-	-	4	1		
eth Church 2nd	WH	- L. & S.	39359	42	27	7	2	-	1	-	-	-	-	-	-	3	-		
ington 1st	-	- S. & L.	45533	54	12	5	2	-	-	-	-	-	-	-	-	2	-		
ington 2nd	-	- S. & L.	35332	22	13	4	5	-	-	-	-	-	-	-	-	2	-		
W	-	- L. & S.	62337	36	6	1	-	-	-	-	-	-	-	-	-	1	-		
od W	-	- L.	19017	9	4	-	-	-	2	-	-	-	-	-	-	-	-		
Battersea	-	- S.	54675	47	21	9	2	-	2	-	-	-	-	-	-	4	1		
Battersea	WwH	- S.	52387	33	29	10	7	-	-	-	-	-	-	-	-	3	-		
am H	-	- S.	24850	18	5	-	2	-	-	-	-	-	-	-	-	-	-		
sworth	WHL	- S.	28004	32	13	7	1	-	2	-	-	-	-	-	-	2	-		
y	-	- S.	12355	4	2	1	-	-	-	-	-	-	-	-	-	-	-		
ham	-	- L.	25553	27	8	1	6	-	-	-	-	-	-	-	-	1	-		
h	-	- L. & S.	5390	1	2	1	1	-	-	-	-	-	-	-	-	-	-		
arwell	WwL*W	- S. & L.	59104	52	36	13	8	-	-	-	-	-	-	-	-	2	-		
am W	-	- S. & L.	71093	48	21	5	3	-	1	-	-	-	-	-	-	2	1		
George Camberwell	-	- L. & S.	50810	44	12	4	2	-	2	-	-	-	-	-	-	1	1		
al Deptford	w	- K.	76752	54	38	13	4	-	3	2	1	4	-	-	-	3	2		
thos Deptford	-	- K.	7901	7	4	3	1	-	-	-	-	-	-	-	-	-	-		
wich West	H	- K.	21972	15	3	-	-	-	-	-	-	-	-	-	-	-	-		
wich East	WHH	- K.	24603	21	12	4	3	-	1	-	1	-	-	-	-	2	2		
m H	-	- K.	50493	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
H	-	- K.	21569	12	5	-	3	-	-	-	-	-	-	-	-	-	-		
ham WH	-	- K.	19865	17	7	5	-	-	-	-	-	-	-	-	-	1	2		
ham H	-	- L.	26076	19	-	-	-	-	-	-	-	-	-	-	-	-	-		
on HH	-	- K.	10930	11	1	-	-	-	-	-	-	-	-	-	-	-	-		
rich Dockyard	-	- K.	17617	11	5	-	1	-	-	-	-	-	-	-	-	-	-		
rich Arsenal	HH	- K.	19045	16	9	2	-	-	-	-	-	-	-	-	-	1	1		
end, West	H	- K.	14003	13	3	2	1	-	-	-	-	-	-	-	-	-	-		
end, East	W	- K.	19241	27	12	3	3	-	-	-	-	-	-	-	-	1	1		
solitan Asylum Hospitals:																			
ryford w	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ckmore Hill w	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page) :-

Stepney Workhouse in Kennington Town sub-district.  
 Poplar & Stepney Sick Asylum in Upper Holloway sub-district.  
 Westminster Union Industrial School in West Battersea sub-district.  
 St. Saviour's Infirmary in Camberwell sub-district.  
 Metropolitan Asylum District Hospitals in Finsbury, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.  
 Strand and Holborn Workhouses outside Registration London.



TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 26th July, 1890.

The DEATHS registered in the Week include																		
Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Deaths of												
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Deaths from										
									Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Marasmus.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON—OUTER RING		370,924	950,957	746	328	84	76	-	18	4	6	11	4	17	16	22	41	
30:1	Carshalton wL	12238	21118	14	5	1	1	-	-	-	-	-	-	-	-	-	-	2
2	Epsom (part of)* WwH	9971	10710	2	2	-	2	-	-	-	-	-	-	-	-	1	1	-
37:1	Godstone (part of)* -	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon Ww L	20851	101241	72	33	7	8	-	4	-	-	1	-	1	-	2	6	-
2	Mitcham w† -	11697	17982	4	3	-	2	-	-	-	-	-	-	-	-	-	-	-
39:1	Wimbledon HHH	3220	15980	10	3	-	1	-	1	-	-	-	-	-	-	-	-	1
2	Kingston WHH -	8549	36354	33	16	2	8	-	-	-	-	-	-	-	-	-	-	7
3	Esher (part of)* -	6601	9221	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Hampton H -	4573	13539	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-
40:1	Richmond WH -	2272	21302	9	4	-	-	-	-	-	-	-	-	-	-	1	1	1
2	Mortlake -	2941	12331	10	5	-	-	-	-	-	-	-	-	-	-	-	-	-
41:1	Bromley (pt. of)* HH	15669	81142	24	11	4	-	-	2	1	-	1	-	-	-	1	2	1
2	Chislehurst (pt. of)* WHH	14307	15844	8	4	-	1	-	-	-	-	-	-	-	-	-	-	1
42:1	Bexley H -	13437	24134	15	3	4	-	-	-	-	-	-	-	-	-	-	-	-
2	Dartford (Ww, pts. of)*†	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury w -	11055	11685	5	3	-	1	-	-	-	-	-	-	-	-	2	2	-
2	Staines W -	13277	12089	9	4	1	-	-	-	-	-	-	2	-	-	1	1	-
125:1	Hillingdon WHH	6029	10802	10	2	-	2	-	-	-	-	-	-	-	-	-	-	2
2	Uxbridge -	6178	2225	4	2	-	-	-	-	-	-	-	-	-	-	1	1	-
3	Hayes wHL -	14387	11523	6	8	-	5	-	-	-	-	-	-	-	-	-	-	4
126:1	Isleworth WHH	7008	22727	12	5	1	2	-	-	-	-	1	-	-	-	-	-	-
2	Twickenham H -	2477	12479	11	2	-	1	-	-	-	-	-	-	-	-	1	1	-
3	Brentford HL -	4345	27349	20	12	4	4	-	-	-	-	-	2	2	1	1	1	2
4	Chislewick -	1340	15975	13	4	2	-	-	-	-	-	-	-	-	-	-	-	-
5	Acton wH -	6088	22376	9	6	1	1	-	-	-	1	-	-	-	1	1	2	-
127:1	Harrow H -	13809	12796	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Edgware H -	6994	3749	-	3	-	1	-	1	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27435	40	13	6	3	-	1	-	1	1	-	-	2	-	1	-
4	Hendon W -	8332	10434	8	5	3	-	-	2	-	-	-	-	-	-	1	1	-
137:1	Bushey -	9331	6621	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138:1	South Mimms -	15299	6391	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Barnet -	5433	10092	4	3	1	1	-	-	-	-	-	-	-	-	-	-	-
3	Finchley HL -	4638	17615	14	3	1	1	-	-	-	-	-	-	-	-	-	-	-
139:1	Hatfield (part of)* -	2604	583	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140:1	Hornsey H -	3039	37073	29	9	3	2	-	1	1	-	-	-	-	1	-	-	-
2	Tottenham H -	4542	46456	63	27	9	4	-	4	1	-	-	-	-	1	-	-	-
3	Edmonton Ww -	7453	23463	19	16	3	1	-	2	-	-	-	1	-	-	-	1	-
4	Enfield WH -	12833	19194	18	6	1	4	-	-	-	-	-	-	-	-	-	-	-
5	Waltham Abbey -	11017	5363	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt -	8439	7735	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-
140:1	Stratford -	882	38606	22	11	5	1	-	-	-	-	-	-	-	-	2	1	1
2	West Ham wvH -	4055	90347	92	33	8	6	-	-	-	-	-	1	-	2	1	1	-
3	East Ham wv -	3296	10706	17	9	2	3	-	-	-	-	-	-	1	-	1	2	-
4	Leyton WwL -	4372	32430	35	26	8	6	-	-	-	1	1	1	1	2	-	-	-
5	Walthamstow H -	6520	23869	21	9	3	1	-	-	1	1	1	-	-	-	-	-	-
187:1	Chigwell (part of)* H	11761	9639	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-
2	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
189:1	Romford (part of)* W	6730	3411	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Ilford -	3493	7845	7	2	1	1	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town -	4127	9203	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warrington and Facey in Godst. district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadby Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 135:1, the parish of Northaw in Romf. sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139:1, the parish of Dagenham in Romf. sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Met.

Metropolitan Asylum Hospital (see Table 5).

Asylum Hospital, Winchmore Hill (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 26th July, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									Deaths in Public institutions.	
						Infants under 1 Year of Age.	Persons aged 50 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
WATER LONDON	448,334	5,758,500	15·8	3·2	1746	522	342	-	112	17	26	73	6	124	72	374		
INNER LONDON -	77,410	4,421,061	16·7	3·5	1418	433	268	-	94	13	20	63	2	107	56	333		
OUTER RING -	370,924	1,336,839	12·8	2·3	328	84	76	-	18	4	6	11	4	17	16	41		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 100·532 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
LOUTTA	433,219	June 7	-	-	-	-	-	-	-	-	-	-	-
MEY	773,196	July 1	325	297	16·6	3	1	?	?	?	98	24†	
ADRIAS	398,777	June 13	341	250	32·6	1	12	?	?	?	78	30	
BRISBANE	2,280,945	July 19	1230	906	20·8	2	58	1	36*	5	9	89	
BRISBANE (8 Faubourgs.)	477,288	" 19	267	178	20·0	1	2	-	-	1	3	22	
AMSTERDAM	406,302	" 19	264	131	16·8	-	4	-	1	1	-	-	
AMSTERDAM	203,486	" 19	130	64	16·3	-	-	-	-	1	-	2	
LA HAYE	156,497	" 19	86	56	18·3	-	3	-	-	-	-	-	
COPENHAGEN	312,387	" 19	205	123	20·5	-	17	1	7	1	-	8	
STOCKHOLM	236,350	" 12	132	61	13·4	-	-	5	-	-	-	15	
CHRISTIANIA	143,300	" 19	51	43	15·6	-	-	1	2	-	-	10	
PETERSBURG	842,000	" 12	-	481	27·1	3	31	23	5	2	8	107	
BERLIN	1,526,887	" 5	851	640	21·9	-	27	2	27	9	2	112	
HAMBURG (State)	575,276	" 12	394	235	21·3	-	19	2	3*	-	1	22	
BERDNE	269,250	" 12	169	96	18·5	-	3	1	2*	-	-	9	
BRISLAU	324,400	" 19	263	213	34·3	1	-	7	4*	2	1	35	
BRISLAU	298,000	" 19	-	202	35·2	-	1	2	3*	3	-	60	
BRISLAU	822,176	" 19	528	405	25·6	1	10	-	4	-	2	49	
BRISLAU	314,425	" 19	-	190	31·5	-	9	6	5	3	5	6	
BRISLAU	463,017	" 12	327	253	28·4	-	3	3	7	2	7	42	
BRISLAU	160,092	" 19	92	71	23·1	-	-	-	3	1	-	14	
BRISLAU	413,217	June 21	189	166	21·3	-	10	-	1	-	6†	23	
BRISLAU (10 days)	314,827	" 20	-	-	-	-	-	-	-	-	-	-	
BRISLAU	156,513	July 5	77	64	21·3	1	-	-	-	1	6	9	
BRISLAU	374,838	" 3	344	310	43·0	2	-	-	3*	-	31	92	
ALEXANDRIA	231,396	" 3	158	164	36·0	-	-	-	1	-	10	58	
NEW YORK	1,617,997	" 5	-	1010	32·2	-	23	9	17	10	3	359	
BROOKLYN	859,612	" 5	-	552	33·0	-	1	4	21	2	2	192	
PHILADELPHIA	1,064,277	" 5	-	623	30·5	-	-	1	8	4	13	157	
BALTIMORE	500,343	" 12	-	280	27·0	-	2	2	3	2	10	49	
NEW ORLEANS	254,000	June 23	-	158	32·5	-	1	-	-	2	4	14	

\* Including deaths from croup.

† Including 2 deaths from cholera.

‡ Including 4 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 26th JULY, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose receiving surface is 3 inches square.			
		Of the Air.		Of the Dew Point.		Difference between the Air Temperature and the Dew Point Temperature.		Degree of Humidity (Scale equals 100).		Of Radiation.		Of the Water of the Thames at Deptford.		Oiler's.		Pressure on the Square Foot.		Robinson's.		Rain collected in a Gauge whose receiving surface is 3 inches square.	

OFFICIAL COPY.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

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No. 31. 1890. VOL. LI.] WEEK ENDING SATURDAY, AUGUST 2. [Price 1½d.

General Register Office, Somerset House,  
5th August, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·6 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	July 12.	July 19.	July 26.	Aug. 2.		July 12.	July 19.	July 26.	Aug. 2.
Birkenhead	18·4	15·4	18·4	15·9	Liverpool	22·8	19·4	21·0	21·0
Birmingham	19·2	16·9	16·9	19·4	London	17·4	17·9	16·7	19·8
Blackburn	18·1	16·9	13·1	18·6	Manchester	23·1	26·2	24·5	26·1
Bolton	24·3	18·9	20·3	20·7	Newcastle-on-Tyne	25·3	21·8	24·6	25·3
Bradford	13·9	14·7	17·8	17·8	Norwich	10·4	14·2	18·0	18·6
Brighton	16·4	15·2	15·6	12·2	Nottingham	12·8	15·5	16·2	13·6
Bristol	11·0	18·0	16·6	14·4	Oldham	19·9	12·1	13·1	16·3
Cardiff	13·8	17·8	18·7	9·8	Plymouth	21·8	21·2	15·9	22·5
Derby	17·6	11·9	11·9	15·5	Portsmouth	13·1	10·9	11·7	19·3
Halifax	15·3	19·1	14·6	16·5	Preston	18·8	20·8	18·3	21·3
Huddersfield	14·4	15·5	17·7	15·5	Salford	20·0	14·4	23·2	24·3
Hull	11·7	12·4	14·4	16·3	Sheffield	16·9	21·5	19·3	22·4
Leeds	18·1	21·6	17·3	20·2	Sunderland	19·9	18·0	19·9	19·9
Leicester	19·9	19·6	16·6	18·2	Wolverhampton	12·5	16·3	18·1	19·4

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·5 in Manchester, 1·7 in Birmingham, 2·0 in Plymouth, and 2·2 in Bradford; from *scarlet fever*, 1·2 in Liverpool and in Manchester, 1·3 in Salford and in Halifax, and 1·6 in Sheffield; from *whooping-cough*, 1·3 in Plymouth; from "*fever*," 1·3 in Plymouth; and from *diarrhœa*, 3·1 in Derby, 3·3 in Norwich, 5·0 in Preston, and 5·4 in Leicester. The 52 deaths from *diphtheria* included 36 in London, 6 in Manchester, and 5 in Salford. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2557 BIRTHS and 1683 DEATHS were registered. Allowing for increase of population, the births were 58, and the deaths 57, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17·9 and 16·7 in the two previous weeks, rose last week to 19·8. During the first five weeks of the current quarter the death-rate per 1000 averaged 17·9, being 2·8 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1683 deaths included 82 from measles, 19 from scarlet fever, 36 from diphtheria, 45 from whooping-cough, 11 from enteric fever, one from an ill-defined form of continued fever, 177 from diarrhoea and dysentery, 7 from cholera or choleraic diarrhoea, and not one from small-pox or from typhus; thus, 378 deaths were referred to these diseases, being 82 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 6; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 104 and 94 in the two preceding weeks, further declined last week to 82, exceeding the corrected average, however, by 37. The 19 fatal cases of *scarlet fever*, though 13 below the corrected average, exceeded the number in the previous week by 6. The Metropolitan Asylum and London Fever Hospitals contained 1505 scarlet-fever patients at the end of last week, the numbers on the ten preceding Saturdays having increased from 1067 to 1439; 168 cases were admitted during the week, against 159 and 135 in the two preceding weeks. The 36 deaths from *diphtheria* exceeded the number in the preceding week by 16, and were double the corrected average; 5 (including 3 of hospital patients) belonged to Queen's Park, situated in a detached part of the parish of Chelsea, while 3 were of hospital patients admitted from districts outside Registration London. The deaths from *whooping-cough*, which had been 56 and 62 in the two preceding weeks, declined again last week to 45, which, though exceeding the corrected average by 4, was a lower number than that recorded in any previous week of this year. The 177 deaths from *diarrhoea* considerably exceeded the numbers in recent weeks, but were 117 below the corrected average; 163 were of children under 5 years of age. Five deaths were attributed to *choleraic diarrhoea*, one (of a child aged 2 months) to "*cholera anglica*," and one to "*cholera infantum*."

The deaths attributed to *enteric fever*, which had declined in the three preceding weeks from 9 to 2, increased again last week to 11, but were still one below the corrected average. The Metropolitan Asylum Hospitals contained 62 cases of enteric fever, and 4 of typhus, on Saturday last; 25 cases of enteric fever were admitted during the week, against 5 and 8 in the two previous weeks.

The deaths referred to diseases of the respiratory organs, which had declined from 244 to 185 in the four preceding weeks, increased last week to 215, exceeding the corrected average by 24.

Different forms of violence caused 73 deaths, concerning all but 2 of which inquests were held. Of these 73 deaths, 13 were cases of suicide, one of manslaughter, and one of execution, while the remaining 58 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 1 by poison, 16 by drowning, and 13 (of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3366 births and 2074 deaths were registered, corresponding to annual rates of 30.5 and 18.8 per 1000 of the estimated population. In the Outer Ring the deaths included 38 from diarrhoea, 31 from measles, and 14 from whooping-cough. Half of the deaths from diarrhoea occurred in the district of West Ham; and of the deaths from measles, 6 occurred in Bromley and 4 in Croydon sub-districts, and 11 in the district of Edmonton.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.77 ins.; the lowest reading was 29.65 ins. on Friday afternoon, and the highest 29.90 ins. at the end of the week. The mean temperature of the *air* was 62°·9, and 0°·3 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Sunday, and on Thursday and Friday, but was below the average on the other days of the week. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 12.5 miles per hour, which was 2.5 miles above the average in the corresponding weeks of 16 years. *Rain* fell on three days of the week, to the aggregate amount of 0.11 of an inch. The duration of registered bright sunshine in the week was 31.9 hours, against 40.3 hours at Glynde Place, Lewes.

TABLE 3.—BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 2nd August 1890.

CITIES AND BOROUGH.	POPULATION estimated to the middle of the Year 1890.*	Registered during the Week ending 2nd August, 1890.			Deaths of Persons aged 1 Year to 60 Years and upwards.		Deaths from								TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGH.					
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhoid.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unsettled Causes of Death.	Mean.				In Inches.	In Centi- metres.						
															From All Causes.	From Diseases in Cols. 6-12.	Fahrenheit.									
																	Highest.	Lowest.								
Col.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Col.	
28 TOWNS	9,715,559	5574	3649	1148	696	-	149	77	52	73	35	343	142	257	671	64	19.6	3.9	81.7	44.9	60.0	15.56	0.54	1.37	- 28 TOWNS.	
LONDON	4,421,661	2557	1683	554	327	-	82	19	36	45	12	177	73	134	405	12	19.8	4.4	83.7	48.1	62.9	17.17	0.11	0.38	LONDON.	
BRIGHTON	123,650	45	29	6	4	-	1	-	-	-	-	-	2	2	2	1	12.2	0.4	70.0	49.0	59.4	15.22	0.13	0.38	BRIGHTON.	
PORTSMOUTH	142,952	89	53	12	15	-	1	-	-	-	-	-	3	8	12	1	19.3	3.3	-	-	-	-	-	-	PORTSMOUTH.	
NORWICH	94,352	53	34	7	11	-	3	-	-	-	-	-	1	2	5	1	18.6	3.8	-	-	-	-	-	-	NORWICH.	
PLYMOUTH	78,780	37	34	9	7	-	1	-	-	2	2	1	1	3	5	10	3	14.4	0.7	70.0	52.2	60.3	15.72	1.12	2.84	PLYMOUTH.
BRISTOL	282,248	134	64	22	12	-	1	1	-	-	-	-	-	1	10	-	19.4	0.0	70.8	44.9	53.7	14.83	0.71	1.80	BRISTOL.	
WOLVERHAMPTON	83,405	41	31	9	8	-	-	-	-	-	-	-	-	-	1	10	-	19.4	0.0	70.8	44.9	53.7	14.83	0.71	1.80	WOLVERHAMPTON.
BIRMINGHAM	461,865	266	172	60	30	-	15	6	-	3	2	14	8	10	32	7	19.4	4.5	-	-	-	-	-	-	BIRMINGHAM.	
LEICESTER	154,344	89	54	24	4	-	1	-	-	-	1	16	4	8	4	4	18.2	6.1	-	-	-	-	-	-	LEICESTER.	
NOTTINGHAM	244,909	113	64	16	23	-	3	-	-	-	-	4	1	2	7	-	13.6	1.7	72.5	45.9	60.5	15.83	0.65	1.65	NOTTINGHAM.	
DERBY	100,571	50	30	9	9	-	1	-	-	1	1	6	-	-	3	-	15.5	4.1	-	-	-	-	-	-	DERBY.	
BIRKENHEAD	105,019	77	32	18	6	-	2	-	-	1	1	3	-	-	4	-	15.9	3.5	-	-	-	-	-	-	BIRKENHEAD.	
LIVERPOOL	618,463	344	247	82	27	-	11	14	1	3	3	20	7	12	33	14	21.0	4.4	71.0	51.	58.6	14.78	0.42	1.07	LIVERPOOL.	
BOLTON	115,816	74	46	9	5	-	-	2	-	1	1	3	1	1	8	-	20.7	3.2	-	-	-	-	-	-	BOLTON.	
MANCHESTER	379,437	227	160	51	30	-	11	9	6	1	2	12	7	16	38	5	26.1	5.6	-	-	-	-	-	-	MANCHESTER.	
SALFORD	242,509	112	113	40	16	-	1	6	5	2	2	9	5	8	17	3	24.3	5.4	-	-	-	-	-	-	SALFORD.	
OLDHAM	146,716	80	46	11	9	-	1	-	-	1	1	2	1	2	1	-	16.3	2.1	-	-	-	-	-	-	OLDHAM.	
BLACKBURN	125,553	86	44	13	6	-	1	-	-	-	-	5	5	5	4	1	18.6	2.1	-	-	-	-	-	-	BLACKBURN.	
PRESTON	105,163	62	43	16	12	-	1	1	-	1	-	10	-	-	5	3	21.3	6.4	-	-	-	-	-	-	PRESTON.	
HUDDESFIELD	94,253	27	28	4	12	-	-	-	-	1	-	1	-	-	1	1	15.5	1.1	-	-	-	-	-	-	HUDDESFIELD.	
HALIFAX	82,034	45	26	9	5	-	-	2	-	1	-	-	-	-	1	2	16.5	1.3	-	-	-	-	-	-	HALIFAX.	
BRADFORD	240,515	110	82	19	18	-	10	3	1	-	-	3	3	8	5	-	17.8	3.7	70.3	53.3	60.0	15.56	0.58	1.47	BRADFORD.	
LEEDS	363,709	224	141	52	29	-	-	1	-	4	2	15	4	8	14	3	20.2	3.2	-	-	-	-	-	-	LEEDS.	
SHEFFIELD	332,537	166	143	43	21	-	5	10	-	3	2	11	6	8	15	2	22.4	4.9	-	-	-	-	-	-	SHEFFIELD.	
HULL	213,833	129	67	16	22	-	-	-	-	3	2	5	4	5	12	3	16.3	1.7	74.0	48.0	60.9	16.06	0.51	1.30	HULL.	
SUNDERLAND	136,506	87	52	20	10	-	-	2	-	1	-	6	3	4	1	19.9	3.4	-	-	-	-	-	-	-	SUNDERLAND.	
NEWCASTLE	162,987	115	79	18	17	-	-	-	-	-	-	5	1	5	12	1	25.3	1.6	70.0	52.0	59.2	15.11	0.24	0.61	NEWCASTLE.	
CARDIFF	117,012	92	22	9	1	-	1	-	-	-	-	3	-	2	4	-	9.8	1.8	-	-	-	-	-	-	CARDIFF.	
EDINBURGH	271,135	124	80	21	16	-	2	3	-	8	-	-	3	2	16	19	13.4	2.5	60.0	50.5	60.1	15.61	0.57	1.45	EDINBURGH.	
GLASGOW	530,203	280	254	50	26	-	11	2	-	12	2	8	10	2	33	24	22.0	3.4	69.9	50.0	59.2	15.11	0.50	1.27	GLASGOW.	
DUBLIN	353,082	173	118	17	34	-	5	-	-	2	2	3	3	2	38	11	17.4	1.8	70.0	44.7	56.7	13.72	0.53	1.40	DUBLIN.	

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-FIRST Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2270	2242	2546	2505	2589	2164	2336	2317	2530	2181	2614.9	2557
Males . . .	1092	1129	1329	1253	1300	1109	1181	1173	1306	1216	1318.1	1338
Females . .	1178	1113	1217	1252	1289	1055	1155	1144	1224	1265	1296.8	1219
<b>TOTAL Deaths</b>	1698	1717	1369	1465	1767	1720	1620	1759	1309	1532	1739.9	1683
Males . . .	883	854	686	738	938	935	836	938	663	825	914.6	881
Females . .	815	863	683	727	829	785	784	821	646	707	825.3	802

\* The numbers in this column are the average weekly numbers in the thirty-first weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug. 2.
<b>TOTAL Births</b> - -	2308	2468	2443	2091	2399	2477	2516	2359	2480	2472	2346	2512	2557
<b>TOTAL Deaths</b> - -	1469	1466	1451	1411	1393	1375	1387	1346	1481	1471	1522	1418	1683
<b>Ages at Death</b>													
{ 0-20 years -	712	707	739	713	667	658	672	669	793	800	823	793	938
{ 20-40 " -	170	178	166	186	186	172	177	155	165	174	157	132	186
{ 40-60 " -	243	261	235	222	250	229	239	254	239	214	249	227	292
{ 60-80 " -	274	257	239	244	235	247	248	220	237	231	250	219	277
{ 80 years & upwards	70	63	72	46	55	69	51	48	47	52	43	47	50
<b>" { Under 1 year</b> -	360	339	335	349	285	297	318	339	423	428	445	433	554
{ 1-5 " -	251	266	307	250	280	267	262	256	281	281	277	282	286
{ 5-20 " -	101	102	97	114	102	94	92	74	89	91	101	73	98
<b>Deaths from Small-pox</b> -	-	-	1	-	-	-	-	-	-	-	-	-	-
" " Measles -	62	70	94	83	91	100	99	101	100	99	104	94	83
" " Scarlet fever -	12	17	15	14	11	11	15	7	13	20	12	13	19
" " Diphtheria -	25	21	24	25	20	24	19	24	21	22	19	20	36
" " Whooping-cough -	99	88	91	78	75	59	63	52	57	66	56	62	45
" " Typhus -	-	-	-	1	1	-	-	2	-	-	-	-	-
" " Enteric fever -	3	8	6	3	7	11	6	9	6	9	6	2	11
" " Simple Cont <sup>d</sup> fever -	-	2	-	-	1	1	1	-	2	-	1	-	1
" " Diarrhoea and Dysentery -	11	17	10	10	8	15	24	51	85	107	111	107	177
" " Cholera -	-	-	1	-	1	-	2	2	4	4	1	1	7
" " all the above-mentioned Diseases -	212	223	242	214	215	221	232	248	283	327	310	299	378
" " Dis. of Respiratory System -	301	300	294	259	229	240	215	206	244	225	216	185	215
" " Phthisis -	139	154	117	116	138	138	131	136	115	132	150	110	147
" " Dis. of Circulatory System -	132	124	121	117	131	122	120	99	105	108	117	107	118
<b>Violent Deaths</b> -	62	45	66	64	50	36	54	49	55	40	49	56	73
<b>Inquest Cases</b> -	134	100	119	123	109	87	86	99	97	100	113	111	134
<b>Deaths in Public Institutions</b> -	326	376	324	328	331	327	314	299	311	321	347	333	405
<b>TEMPERATURE OF THE AIR</b>													
Mean -	52.4	55.3	58.3	54.0	56.5	56.6	53.3	60.6	55.7	55.7	61.4	61.6	62.9
Mean of Highest readings -	61.6	67.4	71.0	65.9	67.0	67.9	70.9	71.5	66.6	65.2	72.1	73.9	74.4
Mean of Lowest readings -	44.6	45.6	45.6	44.0	48.1	48.1	49.8	52.5	48.6	48.4	54.3	52.6	53.9
<b>Humidity of the Air</b> -	80	69	65	65	76	81	76	82	84	83	81	75	77
<b>Rain-fall in inches</b> -	0.56	0.56	0.14	0.07	0.31	0.76	0.38	0.78	1.77	0.86	2.08	0.08	0.11
<b>Registered Sunshine (in hours)</b>	14.2	54.0	71.2	51.9	25.1	28.4	29.3	36.2	23.5	17.9	21.7	44.6	31.9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-FIRST Week of the Year 1890.

In the Week ending Saturday, 2nd August 1890.										In the Week ending Saturday, 2nd August 1890.													
Deaths of Persons of the Ages										Deaths of Persons of the Ages													
ALL AGES.		Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.		ALL AGES.		Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.	
1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
CAUSES OF DEATH.																							
ALL CAUSES - - - - -																							
1739.9																							
1683																							
554																							
286																							
98																							
186																							
232																							
277																							
50																							
Small-pox { Vaccinated † - - - - -																							
1.5																							
{ Unvaccinated - - - - -																							
2.5																							
{ No Statement - - - - -																							
2.3																							
Measles - - - - -																							
44.9																							
Scarlet Fever - - - - -																							
31.7																							
Typhus - - - - -																							
0.9																							
Relapsing Fever † - - - -																							
0.0																							
Influenza - - - - -																							
0.0																							
Whooping-cough - - - - -																							
41.2																							
Diphtheria - - - - -																							
17.8																							
Simple Continued and Ill-defined Fever - -																							
1.5																							
Enteric Fever - - - - -																							
11.8																							
Cholera and Chol. Diarr.																							
10.6																							
Diarrhoea, Dysentery - -																							
293.6																							
Remittent Fever - - - - -																							
0.7																							
Hydrophobia - - - - -																							
0.1																							
Glanders - - - - -																							
0.1																							
Cowpox and Effects of Vaccination † - - - -																							
0.1																							
Venereal Affections - - -																							
12.4																							
Erysipelas - - - - -																							
5.9																							
Pyæmia and Septicæmia †																							
2.1																							
Puerperal Fever - - - - -																							
5.2																							
Other Zymotic Diseases †																							
0.9																							
Thrush - - - - -																							
5.6																							
Worms and other Parasitical Diseases - - - -																							
0.2																							
Starvation, Want of Breast-milk † - - - -																							
4.3																							
Alcoholism - - - - -																							
5.3																							
Rheumatic Fever, Rheumatism of Heart †																							
5.2																							
Rheumatism † - - - - -																							
2.0																							
Gout - - - - -																							
2.2																							
Rickets † - - - - -																							
3.9																							
Cancer - - - - -																							
51.9																							
Tuberculosis Mesenterica																							
55.1																							
Tubercular Meningitis - -																							
30.8																							
Phthisis - - - - -																							
155.5																							
Serofula, Tuberculosis - -																							
21.9																							
Other Constitutional Diseases † - - - -																							
7.5																							
Premature Birth - - - - -																							
33.5																							
Atelectasis † - - - - -																							
3.8																							
Congenital Malformations -																							
6.4																							
Old Age - - - - -																							
43.6																							
Apoplexy - - - - -																							
33.7																							
Epilepsy - - - - -																							
7.6																							
Convulsions - - - - -																							
53.9																							
Other Diseases of Brain and Nervous System - -																							
89.1																							
Diseases of Organs of Special Sense † - - -																							
2.3																							
Diseases of Circulatory System - - - - -																							
93.3																							
Croup - - - - -																							
10.1																							
Bronchitis - - - - -																							
98.9																							
Pneumonia - - - - -																							
57.4																							
Pleurisy - - - - -																							
4.7																							
Other Diseases of Respiratory System - - -																							
20.2																							
Dentition † - - - - -																							
13.2																							
Quinsy, Sore Throat † - -																							
2.0																							
Enteritis - - - - -																							
17.9																							
Peritonitis - - - - -																							
5.8																							
Diseases of Liver - - - -																							
31.4																							
Other Diseases of Digestive System - - -																							
37.0																							
Diseases of Lymphatic System & of Ductless Glands † - - -																							
1.7																							
Diseases of Urinary System - - - - -																							
38.5																							
Diseases of Generative System - - - - -																							
5.6																							
Accidents of Childbirth - -																							
4.9																							
Diseases of Locomotive System † - - - -																							
7.4																							
Diseases of Integumentary System - - - - -																							
5.7																							
VIOLENT DEATHS. ‡																							
(ACCIDENT.)																							
Fracture and Contusion - - -																							
20.8																							
Gunshot Wound - - - - -																							
0.0																							
Cut, Stab - - - - -																							
0.3																							
Burn and Scald - - - - -																							
3.1																							
Poison - - - - -																							
2.1																							
Drowning - - - - -																							
11.1																							
Suffocation - - - - -																							
8.1																							
Otherwise - - - - -																							
3.5																							
(HOMICIDE.)																							
Murder & Manslaughter - -																							
1.3																							
(SUICIDE.)																							
Gunshot Wound - - - - -																							
1.3																							
Cut, Stab - - - - -																							
0.5																							
Poison - - - - -																							
1.9																							
Drowning - - - - -																							
7.0																							
Hanging - - - - -																							
1.5																							
Otherwise - - - - -																							
0.5																							
(EXECUTION.)																							
Hanging - - - - -																							
0.0																							
OTHER CAUSES † - - - -																							
97.0																							

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.  
† The ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.  
‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."  
§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ended

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON	3,815,704	2557	1683	554	827	-	82	19	36	45	-	11	1	177	73	134	405		
WEST DISTRICTS	669,633	390	292	91	56	-	10	-	5	6	-	3	-	41	13	26	73		
NORTH DISTRICTS	905,947	569	362	119	79	-	20	9	11	11	-	2	-	37	14	25	88		
CENTRAL DISTRICTS	382,238	147	112	35	16	-	3	-	6	2	-	1	-	14	4	6	33		
EAST DISTRICTS	692,738	478	333	110	69	-	15	4	6	8	-	2	1	25	19	33	80		
SOUTH DISTRICTS	1,265,143	973	551	199	95	-	34	6	8	18	-	3	-	60	22	38	93		
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON	-	-	33	-	12	-	-	-	-	-	-	-	-	-	1	1	33		
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.	69888	43	26	14	6	-	-	-	-	1	-	1	-	5	-	4	1		
St. John Paddington H - - G.J.	37880	16	16	2	3	-	-	-	-	-	-	1	-	8	-	5	1		
Kensington Town Ww - - W.M.	120141	11	13	3	16	-	3	-	-	-	-	1	-	1	1	1	4		
Brompton H - - - W.M. & C.	48010	2	2	1	1	-	-	-	-	-	-	-	-	1	-	-	-		
St. Peter Hammersmith - - W.M.	7899	49	36	14	2	-	3	-	-	2	-	-	-	5	-	1	6		
St. Paul Hammersmith H W.M. & G.J.	64340	61	39	18	4	-	2	-	1	-	-	-	-	12	2	4	5		
Fulham Ww - - - W.M. & C.	42900	16	10	3	3	-	1	-	-	-	-	-	-	1	-	3	2		
Chelsea South HHH - - C.	30396	16	15	4	1	-	-	-	-	-	-	-	-	1	-	-	5		
Chelsea North-west WHHHHH - C.	24925	19	12	5	1	-	-	-	2	-	-	-	-	2	-	-	-		
Chelsea North-east - - C.	32807	19	12	5	1	-	-	-	-	-	-	-	-	-	-	1	9		
May Fair WW - - - G.J.	30353	6	12	2	3	-	-	-	2	-	-	-	-	2	2	2	7		
Belgrave WHHH - - - C.	59220	25	22	4	2	-	-	-	1	-	-	-	-	1	-	1	-		
St. John Westminster HHH - C.	35498	19	12	4	2	-	-	-	1	-	-	-	-	1	2	2	9		
St. Margaret Westminster H - C.	24679	12	18	1	4	-	-	-	-	1	-	-	-	1	-	-	1		
St. James Westminster WHH N.R. & G.J.	39941	9	7	1	1	-	-	-	-	-	-	-	-	1	-	-	-		
St. Anne Soho HHHHHH - N.R.	16608	7	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.	26759	10	7	1	1	-	-	-	-	-	-	1	-	1	-	-	2		
Cavendish Square HHHH - W.M.	14891	7	1	2	-	-	-	-	-	-	-	-	-	-	-	1	-		
Rectory Marylebone WHH G.J. & W.M.	24809	17	7	5	-	-	2	-	-	-	-	-	-	1	-	-	-		
St. Mary Marylebone HHH G.J. & W.M.	21118	30	9	6	1	-	1	-	-	-	-	-	-	3	-	-	-		
Christchurch Marylebone HH - W.M.	38700	13	13	7	2	-	1	-	-	-	-	-	-	3	1	2	-		
St. John Marylebone H - - W.M.	33633	31	23	3	9	-	1	2	5	-	-	-	-	-	-	2	12		
Hampstead WwHHHHH - N.R. & W.M.	45452	22	10	1	2	-	2	-	-	1	-	-	-	-	-	-	-		
Regent's Park Pancras H - - W.M.	39115	10	13	5	3	-	1	-	1	-	-	-	-	1	-	3	8		
Tottenham-court WHHHH N.R. & W.M.	27729	14	11	2	3	-	1	-	1	-	-	-	-	2	1	3	5		
Gray's Inn Lane HHH - - N.R.	30247	14	11	2	1	-	-	-	1	2	-	-	-	2	-	1	1		
Somers Town H - - - N.R.	34369	19	13	5	4	-	1	-	1	-	-	-	-	3	1	2	7		
Camden Town WH - - - N.R.	17811	56	36	17	4	-	4	-	-	1	-	-	-	4	1	1	16		
Kentish Town W - - - N.R.	87487	58	45	13	16	-	-	-	-	-	-	-	-	3	1	2	18		
Upper Holloway WwWH - - N.R.	67946	68	36	18	4	-	2	1	1	-	-	-	-	4	-	-	1		
Islington South-west HH - - N.R.	100876	45	15	5	5	-	-	-	-	-	-	-	-	2	-	2	-		
Islington South-east - - N.R.	61825	29	16	4	2	-	1	-	-	-	-	-	-	1	2	2	-		
Highbury H - - - N.R.	32048	17	10	3	2	-	-	-	-	2	-	-	-	1	-	-	-		
Stoke Newington H - - - N.R.	22751	6	4	1	4	-	-	-	-	-	-	1	-	1	2	1	1		
Stamford Hill - - - E.L.	9277	25	15	3	3	-	-	-	-	1	-	-	-	3	3	5	23		
West Hackney H - - - N.R.	37610	55	46	10	9	-	1	6	3	2	-	1	-	5	5	5	23		
Hackney WwWH - - - E.L. & N.R.	76911	26	16	8	2	-	2	-	-	-	-	-	-	2	1	2	-		
South Hackney - - - E.L.	39888	16	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - N.R.	16631	3	2	1	-	-	-	-	-	-	-	-	-	1	-	-	-		
St. Giles South WH - - - N.R.	14884	7	13	3	2	-	-	-	1	-	-	-	-	1	1	1	-		
St. Giles North - - - N.R.	13887	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Martin-in-the-Fields HH N.R. & C.	17609	5	6	-	-	-	1	-	1	-	-	-	-	-	1	1	-		
St. Mary-le-Strand H - - N.R.	7615	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. Clement Danes H - - N.R.	8550	2	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-		
Strand Union Workhouse, Edmonton w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Geo.-the-Martyr HHHHHH N.R.	18671	7	13	4	2	-	1	-	2	-	-	-	-	1	1	1	-		
St. Andrew Eastern W - - N.R.	10706	4	3	2	-	-	-	-	-	-	-	-	-	1	-	-	-		
Saffron Hill H - - - N.R.	6583	1	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-		
St. James Clerkenwell - - N.R.	17516	14	6	4	-	-	-	-	-	-	-	-	-	1	-	-	-		
Amwell Clerkenwell - - N.R.	19281	9	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-		
Pentonville - - - N.R.	14773	14	7	2	-	-	-	-	-	1	-	-	-	2	-	-	-		
Goswell-street - - - N.R.	17506	12	5	4	-	-	-	-	-	-	-	-	-	1	1	2	-		
Gia-street H - - - N.R.	11541	21	12	2	1	-	-	-	-	-	-	-	-	1	-	-	-		
City-road HHL - - - N.R.	18623	8	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
Whitecross-street - - N.R.	9217	1	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury - - - N.R.	7463	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham, w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Asolph H - - - N.R. & E.L.	11174	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate - - - N.R.	7198	1	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
St. Sepulchre H - - - N.R.	5358	5	13	1	1	-	-	-	2	-	-	1	-	2	-	-	-		
St. Bride W - - - N.R.	8896	4	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Allhallows Barking - - N.R.	18666	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - - - N.R.	8652	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum in which paupers are received; w—Workhouse Establishments receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. River; E. L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT

[illegible]



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUM AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 2nd August, 1893)

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, in- clud- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in this Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,957	809	391	139	80	-	31	1	4	14	-	38	11	27	19	
30:1	Carshalton wL -	12228	21118	16	5	1	2	-	-	-	-	-	-	-	-	-	-	
2	Epsom (part of)* wvH	9971	10710	9	6	1	1	-	-	-	-	1	-	-	-	-	2	
37:1	Godstone (part of)* -	3764	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon wv L -	20851	101241	65	29	4	11	-	4	-	-	-	1	1	2	4	4	
2	Mitcham w -	11697	17293	20	5	3	1	-	1	-	-	-	-	-	-	1	-	
39:1	Wimbledon HHH -	3220	15950	11	5	3	1	-	1	-	-	-	-	-	-	-	-	
2	Kingston WHH -	8549	36354	17	6	1	1	-	-	-	-	-	-	1	1	1	-	
3	Esher (part of)* -	6601	9221	3	2	1	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton H -	4573	13539	9	2	-	1	-	1	-	-	-	-	-	-	-	-	
40:1	Richmond WH -	2972	21302	10	3	1	2	-	-	-	-	-	-	-	-	-	1	
2	Mortlake -	2911	12331	11	4	2	1	-	-	-	-	1	-	-	-	-	-	
41:1	Bromley (pt. of)* HH	15669	81142	18	10	1	2	-	6	-	-	1	-	-	-	-	-	
2	Chislehurst (pt. of)* WHH	14307	13844	9	6	2	-	-	-	-	-	-	-	-	-	1	-	
42:1	Bexley H -	13457	24134	16	10	2	6	-	-	-	-	-	-	1	-	1	-	
2	Dartford (W, pt. of)* -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
124:1	Sunbury w -	11055	11685	9	2	-	2	-	-	-	-	2	-	-	-	-	-	
2	Staines W -	12377	12089	6	4	3	1	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon WHH -	6029	10802	9	2	1	-	-	-	-	-	-	-	-	-	-	-	
2	Uxbridge -	6178	3225	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes wHL -	14887	11523	11	2	2	-	-	-	-	-	-	-	-	-	-	-	
126:1	Isleworth WHH -	7008	23727	13	9	4	2	-	1	-	-	-	-	-	-	-	2	
2	Twickenham H -	2477	12479	14	5	1	1	-	-	-	1	-	-	-	-	-	-	
3	Brentford HL -	4345	27649	18	7	2	1	-	-	-	-	-	-	1	1	1	1	
4	Chislewick -	1340	15975	11	7	1	1	-	1	-	-	-	1	3	-	-	-	
5	Aston wH -	8038	22876	22	6	3	-	-	-	-	-	1	1	1	-	-	-	
127:1	Harrow H -	13809	12796	9	9	1	5	-	-	-	1	-	-	-	2	3	-	
2	Edgware H -	6994	3749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	32	13	11	2	-	1	-	-	1	-	4	-	1	-	
4	Hendon W -	8382	10484	15	7	2	2	-	-	-	-	-	-	-	1	1	4	
127:1	Bushey -	9631	9631	6	3	3	-	-	-	-	-	-	-	1	-	1	-	
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms -	15199	6391	9	3	1	1	-	-	-	-	-	-	1	-	-	-	
2	Barnet -	5433	10092	-	2	-	2	-	-	-	-	-	-	-	-	1	-	
3	Finchley HL -	4636	17615	13	6	3	2	-	1	-	-	1	-	-	-	-	-	
128:1	Hatfield (part of)* -	2004	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey H -	2039	37078	30	11	4	2	-	2	-	-	1	-	-	1	1	-	
2	Tottenham H -	4642	40456	70	35	15	9	-	3	1	-	-	-	4	-	4	1	
3	Edmonton Wv -	7458	23463	26	9	-	-	-	3	-	-	-	-	-	-	1	2	
4	Enfield WH -	12653	19104	19	12	2	4	-	2	-	-	1	-	-	-	-	-	
5	Waltham Abbey -	11017	5368	8	4	2	1	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8490	7735	2	3	-	1	-	1	-	-	-	-	-	-	-	-	
129:1	Stratford -	382	32606	28	13	3	2	-	-	-	1	1	-	1	1	1	-	
2	West Ham wvH -	4055	90347	102	58	23	3	-	-	-	-	2	3	9	1	4	1	
3	East Ham wv -	3296	10706	21	12	9	1	-	1	-	-	-	-	4	-	-	-	
4	Leyton wvL -	4572	22480	35	12	5	-	-	-	-	-	-	-	-	-	-	-	
5	Walthamstow H -	5590	23869	24	19	7	3	-	2	-	-	1	-	3	-	-	-	
127:1	Chigwell (part of)* wH	11761	9069	6	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Romford (part of)* w	6730	2411	1	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	8493	7645	2	2	-	-	-	-	-	-	-	-	-	1	1	-	
3	Barking Town -	4127	9203	14	12	3	3	-	-	-	-	1	-	1	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warringtonham and Farley in Godstone district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cudde and Knockholt (pop. 1318); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 125:1, the parish of Northaw in Uxbridge sub-district; 127:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 128:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 49:2, Dartford, 127:3, Watford, and 127:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 2nd August, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include													
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from											Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.				
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.			
WATER LONDON	448,334	5,758,500	18·8	4·2	2074	693	407	-	113	20	40	59	17	215	84	424			
INNER LONDON	77,410	4,481,081	19·8	4·4	1683	554	327	-	82	19	36	45	12	177	73	405			
OUTER RING	270,924	1,396,839	15·3	3·6	391	139	80	-	31	1	4	14	5	38	11	19			

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700·622 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN.	Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
							Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ALCOOTTA	433,219	June	7	-	170	20·4	4	2	-	1	-	53	29†	
BOMBAY	773,196	July	8	300	352	19·7	1	2	?	?	?	125	16†	
ADRA	398,777	June	20	-	-	-	-	-	-	-	-	-	-	
ALGER	2,260,945	July	26	1089	860	19·8	-	43	3	28*	5	13	78	
RUSSELS (8 Faubourgs.)	477,238	"	26	228	154	16·8	-	5	-	-	-	1	22	
AMSTERDAM	406,302	"	26	277	118	15·1	1	7	-	3	-	1	-	
ROTTERDAM	203,486	"	26	140	64	16·3	-	1	-	-	1	2	-	
LA HAYE	156,497	"	26	101	59	19·6	-	6	-	-	-	-	-	
COPENHAGEN	312,387	"	26	178	117	19·5	-	8	4	7	2	-	12	
STOCKHOLM	236,350	"	19	140	65	14·3	-	-	6	1	1	1	7	
BRISTOL	143,300	"	26	33	59	21·4	-	-	1	2	-	-	13	
PETERSBURG	812,000	"	19	-	476	29·5	-	24	20	12	2	15	117	
BERLIN	1,526,887	"	12	865	657	22·1	-	20	5	15	14	1	126	
HAMBURG (State)	575,276	"	19	426	261	23·7	-	20	1	5*	4	3	32	
BRUSSELS	269,250	"	19	175	102	19·7	-	5	-	2*	-	-	12	
BRISLAW	324,400	"	26	260	173	27·8	-	-	8	3*	-	3	43	
LUNICH	298,000	"	26	-	176	30·7	-	4	4	7*	2	-	65	
GENOA	822,176	"	26	467	329	20·8	1	8	2	4	2	-	42	
LAGU	214,425	"	26	-	134	22·2	-	9	2	3	1	3	6	
UDA-PESTE	463,017	"	19	317	246	27·6	-	-	2	9	2	1	61	
RIESTE	160,092	"	26	98	81	26·3	-	-	-	-	1	-	12	
ROME	418,217	June	28	-	-	-	-	-	-	-	-	-	-	
URIN (10 days)	314,827	"	20	206	163	18·8	1	1	-	-	2	5	22	
VENICE	236,513	July	12	74	60	20·0	2	-	-	2*	1	2	11	
CAIRO	374,838	"	10	345	505	42·3	-	-	-	-	-	23	102	
ALEXANDRIA	231,366	"	10	146	160	36·0	1	-	-	-	-	16	42	
NEW YORK	1,617,907	"	12	-	1157	37·0	-	25	5	21	14	6	367	
BROOKLYN	859,612	"	12	-	606	36·3	-	1	1	16	5	4	204	
PHILADELPHIA	1,064,277	"	12	-	553	27·1	-	1	2	10	9	13	111	
BALTIMORE	500,343	"	12	-	260	27·0	-	2	2	3	2	10	66	
NEW ORLEANS	254,000	"	5	-	185	38·0	-	-	1	1	-	4	20	

\* Including deaths from croup.

† Including 10 deaths from cholera in Calcutta, and 1 in Bombay.



TABLE 9.—METEOROLOGICAL OBSERVATIONS Taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 2ND AUGUST, 1890.  
[Under the Superintendence of the Astronomer Royal.]

TEMPERATURE.										TEMPERATURE.										Wind as deduced from Anemometers.										Rain collected in a Gauge whose surface is 5 inches above the Average of Ground.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Phases of the Moon.	Mean (corrected and reduced to zero of Fahrenheit belt).	Of the Air.					Difference between the Air and Dew Point Temperature.					Of Radiation.					Of the Water of the Thames at Deptford.					Oscillations.		Pressure on the Square Foot.		Robinson's.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		High. est.	Low. est.	Daily Range.	Mean daily value.	Dew Point.	Mean daily value.	Great. est.	Least.	High. est.	Lowest in Sun's Rays.	High. est.	Low. est.	General Direction.	A.M.	P.M.	Great. est.	Least.	Mean hourly of 24 on each Day.	Horizontal Movement of the Air on each Day.	Departure from Average of 15 Years.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

NO. OF COL.		DATE.		ELECTRICITY. (For explanation of symbols, see Note.)		Registered Sun above Horizon, Sunshine, in hours.		GENERAL REMARKS.	
JULY.									
SUNDAY	27			w. P.	.	.	3.9	15.6	Cloudy; fine.
MONDAY	28			w. P. till evening; m. P. at night.			3.9	15.6	Fine; cloudless in early morning; partially cloudy afterwards. A shower of rain about 10 <sup>h</sup> . A.M.
TUESDAY	29			m. P. in morning; w. P. afterwards.			9.8	15.5	Very fine; cloudless in morning; partially cloudy afterwards.
WEDNESDAY	30			w. P. throughout			0.1	15.5	Overcast generally. A shower of rain about 6 <sup>h</sup> . A.M.
THURSDAY	31			w. P. throughout			1.4	15.4	Cloudy till evening; fine at night, with small amounts of light cloud.
FRIDAY	1	AUGUST.		w. P. till evening; m. P. at night.			10.4	15.3	Very fine; small amounts of light cloud generally prevail till evening; cloudless at night.
SATURDAY	2			w. P. till afternoon; s. N. and s. P. till evening; w. P. after- wards.			2.4	15.3	Fine in morning; cloudy till afternoon; overcast afterwards, with frequent rain till about 9 <sup>h</sup> . P.M.

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 29 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 10 years ending 1873.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Office Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are -P, positive; N, negative; W, weak; M, moderate; S, strong; and V, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight, from 29.55 in. at the beginning of the week to 29.67 in. at the end of the week.

The reading of the barometer decreased to 29.85 in. by noon on the 29th; decreased to 29.81 in. by 9h. p.m. on the 29th; increased to 29.82 in. by 9h. p.m. on the 30th; decreased to 29.78 in. by 9h. p.m. on the 31st; increased to 29.82 in. by 9h. p.m. on the 1st; decreased to 29.78 in. by 9h. p.m. on the 2nd.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 32. 1890. VOL. LI.]      WEEK ENDING SATURDAY, AUGUST 9.      [Price 1½d.

*General Register Office, Somerset House,  
12th August, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·2 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	July 19.	July 26.	Aug. 2.	Aug. 9.		July 19.	July 26.	Aug. 2.	Aug. 9.
Birkenhead	15·4	18·4	15·9	23·8	Liverpool - -	19·4	21·0	21·0	21·6
Birmingham	16·9	16·9	19·4	20·1	London - -	17·9	16·7	19·8	18·8
Blackburn -	16·9	13·1	18·6	14·3	Manchester -	26·2	24·5	26·1	25·8
Bolton -	18·9	20·3	20·7	17·6	Newcastle-on-Tyne	21·8	24·6	25·3	23·4
Bradford -	14·7	17·8	17·8	17·6	Norwich -	14·2	18·0	18·6	19·7
Brighton -	15·2	15·6	12·2	19·4	Nottingham -	15·5	16·2	13·6	14·5
Bristol -	18·0	16·6	14·4	15·0	Oldham -	12·1	13·1	16·3	15·3
Cardiff -	17·8	18·7	9·8	16·5	Plymouth -	21·2	15·9	22·5	25·8
Derby -	11·9	11·9	15·5	16·0	Portsmouth -	10·9	11·7	19·3	16·0
Halifax -	19·1	14·6	16·5	15·9	Preston -	20·8	18·3	21·3	28·3
Huddersfield	15·5	17·7	15·5	14·4	Salford -	14·4	23·2	24·3	17·8
Hull -	12·4	14·4	16·3	14·4	Sheffield -	21·5	19·3	22·4	24·4
Leeds -	21·6	17·3	20·2	19·5	Sunderland -	18·0	19·9	19·9	17·6
Leicester -	19·6	16·6	18·2	19·3	Wolverhampton -	16·3	18·1	19·4	20·6

The highest annual death-rates, measured by last week's mortality, were :—from *measles*, 1·3 in Cardiff, 1·5 in Manchester, and 2·2 in Bradford; from *scarlet fever*, 0·8 in Manchester and 0·9 in Liverpool; from *whooping-cough*, 1·0 in Birmingham and in Birkenhead, 1·1 in Sheffield, and 2·2 in Norwich; from "*fever*," 0·7 in Leicester; from *diarrhæa*, 4·0 in Plymouth, 4·4 in Norwich and in Sheffield, 6·8 in Leicester, and 7·4 in Preston. The 34 deaths from *diphtheria* included 22 in London, 4 in Manchester, and 2 each in Portsmouth, Salford, and Newcastle-on-Tyne. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2176 BIRTHS and 1594 DEATHS were registered. Allowing for increase of population, the births were 489, and the deaths 77, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16·7 and 19·8 in the previous two weeks, fell last week to 18·8. During the first six weeks of the current

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



quarter the death-rate per 1000 averaged 18·0, being 2·6 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1594 deaths included 95 from measles, 17 from scarlet fever, 22 from diphtheria, 37 from whooping-cough, 11 from enteric fever, one from an ill-defined form of continued fever, 176 from diarrhoea and dysentery, 4 from cholera and choleraic diarrhoea, and not one from small-pox or typhus; thus, 363 deaths were referred to these diseases, being 44 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 8; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only one in the Highgate Small-pox Hospital. The deaths from *measles*, which had declined from 104 to 82 in the preceding three weeks, rose last week to 95, and exceeded the corrected average by 53. The deaths from *scarlet fever*, which had increased in the preceding three weeks from 12 to 19, declined last week to 17, or half the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1493 scarlet-fever patients at the end of last week, the numbers on the preceding eleven Saturdays having increased from 1067 to 1505; 118 cases were admitted during the week, against 135 and 168 in the preceding two weeks. The deaths from *diphtheria*, which had increased from 19 to 36 in the preceding three weeks, declined last week to 22, exceeding the corrected average by 2. The deaths from *whooping-cough*, which had been 62 and 45 in the preceding two weeks, further declined last week to 37, or 3 in excess of the corrected average. The deaths from *diarrhoea*, which had been 107 and 177 in the preceding two weeks, were last week 176, and were 68 below the corrected average; 166 were of children under 5 years of age. The deaths of an adult and of two infants were attributed to *choleraic diarrhoea*, and that of another infant to *infantile cholera*.

The deaths attributed to *enteric fever*, which were 2 and 11 in the preceding two weeks, were again 11 last week, and 4 below the corrected average. The Metropolitan Asylum Hospitals contained 63 cases of enteric fever, and 4 of typhus, on Saturday last; 11 cases of enteric fever were admitted during the week, against 8 and 25 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been 185 and 215 in the previous two weeks, declined last week to 197, exceeding the corrected average by 8.

Different forms of violence caused 50 deaths, concerning all of which inquests were held. Of these 50 deaths, 5 were cases of suicide, and 2 of murder, while the remaining 43 were attributed to accident or negligence. Two of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 11 by drowning, and 10 (of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 2915 births and 1991 deaths were registered, corresponding to annual rates of 26·4 and 18·0 per 1000 of the estimated population. In the Outer Ring the deaths included 58 from diarrhoea, 15 from whooping-cough, and 12 from measles. Of the deaths from diarrhoea 21 occurred in the district of West Ham; the deaths from whooping-cough included 7 in the district of Edmonton; and of the deaths from measles, 3 occurred in the sub-district of Croydon.

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Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during July will be found on pages 327-328.

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#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·95 ins.; the highest reading was 30·06 ins. on Monday evening, and the lowest 29·78 ins. at the end of the week. The mean temperature of the *air* was 62°·6, and 0°·1 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on

Monday, Tuesday and Wednesday, but was below the average on the other days of the week. The direction of the *wind* was variable, and the horizontal movement of the air averaged 5·7 miles per hour, which was 5·0 below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 30·5 hours, against 52·1 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of JULY 1890; according to their returns 185,949,769 gallons or 844,855 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 243·1 gallons (110·5 decalitres), rather more than a *ton* by weight, to each house, and (assuming 7·8 persons to each house) 31·2 gallons (14·2 decalitres) to each person, against 31·7 gallons during July 1889.

COMPANIES.	Number of Houses, &c, supplied in		Average daily Supply of Water in Gallons.	
	JULY. 1889.	JULY. 1890.	JULY. 1889.	JULY. 1890.
TOTAL SUPPLY . . . .	753,479	764,832	186,383,203	185,949,769
From Thames . . . . .	363,086	368,572	93,636,938	94,514,149
From Lea and from other Sources . . . .	390,393	396,260	92,746,265	91,435,620
THAMES.				
Chelsea . . . . .	35,026	35,510	10,337,617	11,283,926
West Middlesex . . . . .	71,876	73,243	17,247,468	17,099,169
Southwark and Vauxhall . . . . .	111,255	112,227	25,800,461	25,907,946
Grand Junction . . . . .	55,503	56,311	19,250,692	20,284,226
Lambeth . . . . .	89,366	91,281	21,000,700	19,983,882
LEA AND OTHER SOURCES.				
New River . . . . .	152,621	153,475	35,437,000	34,734,000
East London . . . . .	105,343	168,579	44,274,138	43,946,240
Kent . . . . .	72,429	74,206	13,035,127	12,755,371

*Note.*—The Return for July 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,353 houses, and a decrease of 433,434 gallons of water supplied daily.

## ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JULY.

*Water-analysis Laboratory, The Yews, Reigate,  
31st July, 1890.*

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of July.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0·4, New River 0·7, Colne Valley 1·2, Tottenham 1·3, East London 1·5, Southwark 1·7, West Middlesex 1·8, Grand Junction 1·9, Chelsea 2·2, and Lambeth 2·4.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in every case, efficiently filtered, and the improved quality which it has of late exhibited has been fully maintained.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered, and exhibited a high degree of organic purity, the New River Company's supply being again especially distinguished in this respect.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of great organic purity, that delivered by the Kent Company contained only mere traces of organic matter. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the New River, Kent, Colne Valley, and Tottenham waters were clear and colourless, the East London clear and nearly colourless, the remaining waters being clear and very pale yellow.



Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and bright, but contained an unusually large amount of organic elements."

Dr. Mill, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little "suspended matter. The hardness remains unusually low."

The Registrar General, &c. &c.

I am, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.		Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.		°								
	Chelsea	July 4th, Cab Rank, Horse Guards, Whitehall.	17.1	25.18	.105	.026	0	.154	.180	1.7	18.0
	West Middlesex	July 4th, Stand-pipe, Riding House- street.	14.8	27.20	.087	.017	0	.141	.158	1.7	18.6
	Southwark	July 4th, Cab Rank, Bricklayers Arms, Old Kent-road.	17.5	25.96	.080	.018	0	.138	.156	1.7	18.6
	Grand Junction	July 4th, Cab Rank, Uxbridge-road, near Marble Arch.	17.5	24.92	.096	.019	0	.146	.165	1.7	18.3
	Lambeth	July 4th, Cab Rank, St. George's- road, Southwark.	17.8	24.56	.116	.027	0	.150	.177	1.7	18.6
	LEA.										
Outer Circle	New River	July 4th, Cab Rank, Tottenham Court-road.	17.0	27.46	.030	.012	0	.185	.197	1.7	20.0
	East London	July 4th, Fire Brigade Station, Commercial-road, E.	17.4	25.72	.065	.021	0	.158	.179	1.8	19.1
	DEEP WELLS.										
	Kent	July 4th, Mill Lane, Deptford.	12.6	41.38	.017	.007	0	.510	.517	2.4	29.0
	Colne Valley	July 13th, Bushey.	—	19.10	.055	.015	0	.486	.501	2.2	8.3
	Tottenham	July 9th, Tottenham.	—	41.36	.059	.016	.070	0	.074	3.0	22.7
	Corporation of Birming- ham*	July 8th, Corporation Wharf, Lancaster-street.	15.0	26.92	.184	.036	.001	.264	.301	1.8	13.6
	Corporation of Glasgow†	July 15th, Loch Katrine Water.	13.0	2.5	.127	.020	0	.003	.023	.75	.63
Column 1.			3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 4th July, at the Horse Guards cab-rank, had a temperature of 17°.1 C.; 100,000 lbs. of it contained 25.18 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained .105 lb. of carbon and .026 lb. of nitrogen. The above quantity of water also contained no ammonia, and .154 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was .180 lb. The above weight of water also contained 1.7 lbs. of chlorine; and 18.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

CITIES AND BOROUGHES.	POPULATION estimated, to the middle of the Year 1890.*			Registered during the Week ending 5th August, 1890.			The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.							RAINFALL.		CITIES AND BOROUGHES.
	1.	2.	3.	Deaths of			Deaths from							Inquest Cases.			From All Week's Deaths corresponding to the Cols. 6-12.			Mean.			In Inches.	In Cents.		
				1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Causes.	From Diseases Cols. 6-12.	Highest.	Lowest.	Fahrenheit.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.	
28 TOWNS	9,715,559	5040	3578	1280	642	-	152	50	34	80	25	410	118	216	606	67	19'2	4'0	82'8	44'0	60'8	16'00	0'12	0'30	- 28 TOWNS.	
LONDON	4,421,661	2176	1394	549	283	-	95	17	22	37	12	176	50	103	573	8	18'8	4'2	82'8	48'1	62'6	17'00	0'00	0'00	LONDON.	
BRIGHTON	123,659	55	46	8	16	-	1	1	-	1	-	4	1	2	7	3	19'4	3'0	73'0	51'5	61'3	16'28	0'50	1'27	BRIGHTON.	
PORTSMOUTH	142,982	67	44	16	12	-	-	-	2	-	-	5	3	4	5	-	16'0	2'6	73'5	51'0	80'2	15'67	0'15	0'38	PORTSMOUTH.	
NORWICH	85,382	55	36	14	13	-	-	-	-	4	1	8	1	3	1	-	19'7	2'1	-	-	-	-	-	-	NORWICH.	
PLYMOUTH	78,780	44	39	11	15	-	1	-	-	-	-	6	-	-	-	-	25'8	4'6	75'3	51'4	62'4	16'89	0'00	0'00	PLYMOUTH.	
BRISTOL	292,248	105	67	16	21	-	-	1	-	-	-	5	3	5	10	-	15'0	1'3	75'0	48'3	80'2	15'67	0'05	0'13	BRISTOL.	
WOLVERHAMPTON	83,406	46	33	9	9	-	-	-	-	-	-	2	3	4	8	-	20'6	1'3	74'5	46'5	59'4	15'22	0'29	0'74	WOLVERHAMPTON.	
BIRMINGHAM	461,865	213	178	73	22	-	4	2	-	9	1	21	4	9	25	4	20'1	4'2	-	-	-	-	-	-	BIRMINGHAM.	
LEICESTER	154,344	91	57	31	6	-	2	-	-	-	2	20	1	4	8	-	19'3	8'1	-	-	-	-	-	-	LEICESTER.	
NOTTINGHAM	244,909	108	68	22	16	-	1	-	-	-	-	13	1	7	8	3	14'5	3'0	77'8	49'3	60'6	15'88	0'02	0'05	NOTTINGHAM.	
DERBY	100,871	47	31	8	9	-	1	-	1	1	-	-	-	-	-	-	16'0	3'1	-	-	-	-	-	-	DERBY.	
BIRKENHEAD	105,049	64	48	17	8	-	2	1	-	2	1	4	-	2	3	-	23'8	5'0	-	-	-	-	-	-	BIRKENHEAD.	
LIVERPOOL	613,463	291	254	81	32	-	9	11	-	3	3	30	16	16	39	22	21'6	4'8	73'0	55'6	61'1	16'17	0'06	0'15	LIVERPOOL.	
ROLTON	115,846	66	89	7	7	-	1	1	-	-	-	-	1	1	3	1	17'6	0'9	-	-	-	-	-	-	ROLTON.	
MANCHESTER	579,437	220	188	51	37	-	11	6	4	2	1	12	3	5	38	4	25'8	4'9	-	-	-	-	-	-	MANCHESTER.	
SALFORD	242,569	119	85	30	10	-	1	3	2	2	-	8	5	6	9	3	17'8	3'4	-	-	-	-	-	-	SALFORD.	
OLDHAM	146,716	75	43	14	6	-	2	-	-	-	-	2	3	5	6	2	15'3	1'4	-	-	-	-	-	-	OLDHAM.	
BLACKBURN	123,553	73	34	15	6	-	1	-	-	-	1	3	1	1	2	1	14'3	2'1	-	-	-	-	-	-	BLACKBURN.	
PRESTON	105,163	62	57	35	7	-	1	-	-	1	-	15	-	1	1	-	28'3	8'4	-	-	-	-	-	-	PRESTON.	
HUDDESFIELD	94,253	54	26	6	7	-	-	-	-	1	-	2	1	1	3	2	14'4	1'7	-	-	-	-	-	-	HUDDESFIELD.	
HALIFAX	82,034	51	25	9	9	-	-	-	-	-	-	-	2	2	2	-	15'9	0'0	-	-	-	-	-	-	HALIFAX.	
BRADFORD	240,515	110	81	25	14	-	10	-	-	1	-	9	2	4	3	2	17'6	4'3	75'0	54'8	61'3	16'28	0'03	0'08	BRADFORD.	
LEEDS	363,799	226	136	50	29	-	1	-	1	3	1	15	1	6	12	1	19'5	3'0	-	-	-	-	-	-	LEEDS.	
SHEFFIELD	332,837	203	156	59	12	-	6	4	-	7	1	28	6	7	18	5	24'4	7'2	-	-	-	-	-	-	SHEFFIELD.	
HULL	213,883	108	59	21	8	-	-	-	-	2	1	7	2	3	7	-	14'4	2'7	79'0	44'0	59'2	15'11	0'00	0'00	HULL.	
SUNDERLAND	186,506	89	46	16	9	-	-	-	-	1	-	1	6	9	3	1	17'6	0'8	-	-	-	-	-	-	SUNDERLAND.	
NEWCASTLE	162,987	123	73	21	17	-	-	1	2	2	-	5	2	4	9	3	23'4	3'2	75'0	47'0	60'5	15'88	0'22	0'56	NEWCASTLE.	
CARDIFF	117,012	39	37	16	2	-	3	-	-	-	-	6	-	1	-	1	16'5	4'5	-	-	-	-	-	-	CARDIFF.	
EDINBURGH	271,135	130	91	20	20	-	-	1	-	7	1	4	4	?	19	12	17'5	2'5	70'7	46'4	60'6	15'89	0'00	0'00	EDINBURGH.	
GLASGOW	590,208	332	107	47	29	-	8	3	1	13	3	12	9	?	29	28	19'4	3'9	71'0	49'7	60'9	16'06	0'05	0'13	GLASGOW.	
DUBLIN	353,682	178	126	29	41	-	1	-	-	3	2	8	-	-	43	12	18'6	2'1	74'0	44'6	59'4	15'22	0'25	0'66	DUBLIN.	

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-SECOND Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2602	2477	2304	2261	2212	2885	2655	2634	2228	2180	2664·9	2176
Males . .	1327	1286	1214	1162	1125	1505	1367	1351	1165	1129	1377·4	1099
Females .	1275	1191	1090	1099	1087	1380	1288	1283	1063	1051	1287·5	1077
<b>TOTAL Deaths</b>	1670	1578	1432	1312	1624	1472	1505	1885	1476	1366	1670·6	1594
Males . .	894	805	785	653	862	766	793	980	773	710	874·7	833
Females .	776	773	647	659	762	706	712	905	703	656	795·9	761

\* The numbers in this column are the average weekly numbers in the thirty-second weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

		May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.		
TOTAL	Births	-	-	2468	2443	2091	2399	2477	2516	2359	2480	2472	2346	2512	2557	2176
TOTAL	Deaths	-	-	1466	1451	1411	1393	1375	1387	1346	1481	1471	1522	1418	1638	1594
Ages at Death	{ 0—20 years	-	-	707	739	713	667	658	672	669	793	800	823	793	938	915
	{ 20—40 "	-	-	178	166	186	186	172	177	155	165	174	157	132	186	171
	{ 40—60 "	-	-	261	235	222	250	229	239	254	239	214	249	227	232	225
	{ 60—80 "	-	-	257	239	244	235	247	248	220	237	231	250	219	277	230
	{ 80 years & upwards	-	-	63	72	46	55	69	51	43	47	52	43	47	50	53
"	{ Under 1 year	-	-	339	335	349	285	297	318	339	423	428	445	433	554	549
	{ 1—5 "	-	-	266	307	250	280	267	262	256	281	281	277	282	286	294
	{ 5—20 "	-	-	102	97	114	102	94	92	74	89	91	101	73	93	72
Deaths from Small-pox		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	" Measles	-	-	70	94	83	91	100	99	101	100	99	104	94	82	95
"	" Scarlet fever	-	-	17	13	14	11	11	15	7	13	20	12	13	19	17
"	" Diphtheria	-	-	21	24	25	20	24	19	24	21	22	19	20	36	22
"	" Whooping-cough	-	-	88	91	78	75	59	66	52	57	66	56	62	45	37
"	" Typhus	-	-	-	-	1	1	-	-	2	-	-	-	-	-	-
"	" Enteric fever	-	-	8	6	3	7	11	6	9	6	9	6	2	11	11
"	" Simple Cont <sup>d</sup> fever	-	-	2	-	-	1	1	1	-	2	-	1	-	1	1
"	" Diarrhoea and Dysentery	-	-	17	10	10	8	15	24	51	85	107	111	107	177	176
"	" Cholera	-	-	-	1	-	1	-	2	2	4	4	1	1	7	4
"	" all the above- mentioned Diseases	-	-	223	242	214	215	221	232	248	283	327	310	299	378	363
"	" Dis. of Respira- tory System	-	-	300	294	259	229	240	215	206	244	225	216	185	215	197
"	" Phthisis	-	-	154	117	116	138	138	131	136	115	132	150	110	147	126
"	" Dis. of Circula- tory System	-	-	124	121	117	131	122	120	99	105	108	117	107	118	119
Violent Deaths		-	-	45	66	64	50	36	54	49	55	40	49	56	73	50
Inquest Cases		-	-	100	119	123	109	87	86	93	97	100	113	111	134	103
Deaths in Public Institutions		-	-	376	324	328	331	327	314	299	311	321	347	333	405	373
TEMPERATURE OF THE AIR																
Mean		-	-	55·3	58·3	54·0	56·5	56·6	59·3	60·6	55·7	55·7	61·4	61·6	62·9	62·6
Mean of Highest readings		-	-	67·4	71·0	65·9	67·0	67·9	70·9	71·5	66·6	65·2	72·1	73·9	74·4	73·8
Mean of Lowest readings		-	-	45·6	45·6	44·0	48·1	48·1	49·8	52·5	48·6	48·4	54·3	52·6	53·9	53·2
Humidity of the Air		-	-	69	65	65	76	81	76	82	84	83	81	75	77	77
Rain-fall in inches		-	-	0·56	0·14	0·07	0·31	0·76	0·38	0·78	1·77	0·86	2·08	0·08	0·11	0·00
Registered Sunshine (in hours)		-	-	54·0	71·2	51·9	25·1	28·4	29·3	36·2	23·5	17·9	21·7	44·6	31·9	30·5

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsohn, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-SECOND Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 32nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 9th August 1890.								CAUSES OF DEATH.	Corrected Averages for the 32nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 9th August 1890.							
		Deaths of Persons of the Ages										Deaths of Persons of the Ages							
		ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES - -	1670.6	1594	549	294	72	171	225	230	53	Diseases of Organs of Special Sense † - -	2.0	4	1	1	1	-	-	1	-
Small-pox { Vaccinated -	2.0	-	-	-	-	-	-	-	-	Diseases of Circulatory System - -	93.7	119	2	-	10	21	30	49	7
Unvaccinated -	2.5	-	-	-	-	-	-	-	-	Croup - - - -	12.0	5	2	3	-	-	-	-	-
No Statement -	3.1	-	-	-	-	-	-	-	-	Bronchitis - - -	92.0	99	40	19	1	2	8	25	4
Measles - - -	42.0	95	24	67	4	-	-	-	-	Pneumonia - - -	61.3	70	21	21	-	11	9	8	-
Scarlet Fever -	34.5	17	2	12	3	-	-	-	-	Pleurisy - - - -	4.5	5	-	-	-	2	3	-	-
Cyphus - - -	1.2	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	19.0	13	3	3	-	2	5	4	1
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	Dentition † - - -	13.3	6	3	3	-	-	-	-	-
Influenza - - -	0.0	1	-	-	-	-	-	1	-	Quincy, Sore Throat † -	1.6	13.7	25	15	7	9	-	1	-
Whooping-cough -	31.1	37	13	19	-	-	-	-	-	Peritonitis - - -	8.0	6	2	-	1	-	1	2	-
Diphtheria - - -	19.6	23	1	16	1	1	3	-	-	Diseases of Liver - -	33.4	22	4	-	1	3	6	8	-
Simple Continued and Ill-defined Fever -	1.3	1	-	-	-	-	-	1	-	Other Diseases of Digestive System -	30.9	35	12	4	1	4	6	8	-
Euteric Fever - -	14.9	11	-	-	2	7	1	1	-	Diseases of Lymphatic System & of Duodenal Glands † - - -	1.9	4	1	-	1	1	1	-	-
Cholera and Chol. Diarr.	8.1	4	3	-	-	-	1	-	-	Diseases of Urinary System - -	35.8	36	1	1	-	10	12	12	-
Diarrhoea, Dysentery -	244.0	176	180	36	1	-	3	4	2	Diseases of Generative System - -	4.0	4	-	-	-	2	2	-	-
Emitent Fever † -	0.5	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4.6	4	-	-	-	4	-	-	-
Hydrophobia - - -	0.2	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - -	7.1	6	-	-	1	1	2	2	-
Blanders - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Integumentary System - -	4.9	3	-	-	-	1	1	-	1
Dropsy and Effects of Vaccination † - -	10.9	14	12	1	-	-	1	-	-	VIOLENT DEATHS. ‡									
General Affections -	6.3	1	1	-	-	-	-	-	-	(ACCIDENT.)									
Erysipelas - - -	2.4	2	-	1	-	-	1	-	-	Fracture and Contusion -	21.7	18	3	2	4	3	1	4	1
Pyæmia and Septicæmia †	4.8	2	-	-	-	-	-	-	-	Gunshot Wound - - -	0.3	-	-	-	-	-	-	-	-
Puerperal Fever - -	0.8	1	-	-	1	-	-	-	-	Cut, Stab - - - -	0.8	-	-	-	-	-	-	-	-
Other Zymotic Diseases †	0.8	1	-	-	-	-	-	-	-	Burn and Scald - - -	3.5	4	-	2	-	1	1	-	-
Thrush - - - -	4.5	1	1	-	-	-	-	-	-	Poison - - - - -	1.1	-	-	-	-	-	-	-	-
Worms and other Parasitical Diseases - -	0.0	3	-	1	-	2	-	-	-	Drowning - - - -	12.3	11	1	-	7	3	-	-	-
Starvation, Want of Breast-milk † - -	2.7	2	2	-	-	-	-	-	-	Suffocation - - - -	10.0	10	10	-	-	-	-	-	-
Alcoholism - - -	5.9	13	-	-	-	3	9	1	-	Otherwise - - - -	4.1	-	-	-	-	-	-	-	-
Rheumatic Fever, Rheumatism of Heart †	6.4	8	-	-	1	4	3	-	-	(HOMICIDE.)									
Rheumatism † - -	3.0	-	-	-	-	-	-	-	-	Murder & Manslaughter -	1.4	2	-	-	-	1	1	-	-
Soot - - - - -	2.3	6	-	-	-	-	2	4	-	(SUICIDE.)									
Mekets † - - -	3.1	7	3	3	1	-	-	-	-	Gunshot Wound - - -	0.5	-	-	-	-	-	-	1	-
Cancer - - - -	54.7	74	-	-	1	9	33	26	5	Cut, Stab - - - -	2.0	1	-	-	-	-	-	1	-
Cases Mesenterica -	52.0	45	35	9	-	-	-	1	-	Poison - - - - -	3.0	3	-	-	-	-	2	1	-
Tubercular Meningitis -	32.2	31	10	13	3	-	-	-	-	Drowning - - - -	2.1	-	-	-	-	-	-	-	-
Phthisis - - - -	155.4	126	3	6	4	61	43	9	-	Hanging - - - -	1.4	1	-	-	-	-	-	1	-
Scrophula, Tuberculosis -	22.0	22	8	8	3	3	-	-	-	Otherwise - - - -	0.8	-	-	-	-	-	-	-	-
Other Constitutional Diseases † - -	9.0	3	1	-	-	1	-	1	-	(EXECUTION.)									
Premature Birth - - -	37.7	42	42	-	-	-	-	-	-	Hanging - - - -	0.0	-	-	-	-	-	-	-	-
Atelactæsis † - - -	3.2	1	1	-	-	-	-	-	-	OTHER CAUSES † - -	82.3	74	63	3	2	-	2	3	1
Congenital Malformations -	8.4	7	6	1	-	-	-	-	-										
Old Age - - - -	45.7	37	-	-	-	-	1	14	22										
Apoplexy - - - -	40.0	32	-	-	1	2	12	15	2										
Epilepsy - - - -	6.7	7	-	1	2	1	3	-	-										
Convulsions - - -	61.7	59	47	11	1	-	-	-	-										
Other Diseases of Brain and Nervous System †	90.2	63	16	13	11	5	17	19	7										

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.043 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON	3,815,704	2176	1594	540	283	-	95	17	22	37	-	11	1	176	50	103	373		
West Districts	664,938	341	281	97	52	-	28	2	3	10	-	2	-	40	4	11	66		
North Districts	905,947	508	381	130	62	-	19	6	7	11	-	3	-	37	12	30	72		
Central Districts	392,338	149	121	39	23	-	4	-	-	-	-	1	-	12	4	10	39		
East Districts	392,738	414	283	93	50	-	16	2	4	6	-	3	1	33	10	21	84		
South Districts	1,265,148	764	506	190	90	-	23	5	8	10	-	2	-	54	20	31	90		
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON	-	-	22	-	6	-	-	2	-	-	-	-	-	-	-	-	22		
West Districts.																			
St. Mary Paddington WHH G.J. & W.M.	59688	46	33	13	7	-	-	-	-	3	-	-	-	10	-	-	7		
St. John Paddington H - - G.J.	37330	12	10	1	4	-	-	-	-	-	-	-	-	-	1	-	7		
Kensington Town W - - - W.M.	120141	45	46	16	10	-	3	-	1	1	-	-	-	4	-	3	15		
Brompton H - - - W.M. & C.	43010	15	9	3	-	-	-	-	-	-	-	-	-	-	-	1	4		
St. Peter Hammersmith - - - W.M.	7899	5	4	1	-	-	2	-	-	-	-	-	-	1	-	-	-		
St. Paul Hammersmith H W.M. & G.J.	64340	54	36	15	6	-	7	-	-	3	-	1	-	7	-	-	1		
Fulham W - - - W.M. & C.	42900	53	49	18	7	-	9	2	-	2	-	1	-	10	1	3	4		
Chelsea South HHH - - - C.	30396	13	9	4	1	-	-	-	-	1	-	-	-	1	-	-	2		
Chelsea North-west WHHHH - - C.	24928	8	15	2	5	-	-	-	-	1	-	-	-	1	-	-	10		
Chelsea North-east - - - C.	32807	19	10	2	2	-	-	-	1	-	-	-	-	2	-	1	-		
May Fair WW - - - G.J.	30353	4	9	3	4	-	1	-	-	-	-	-	-	-	-	-	5		
Belgrave WHHH - - - C.	59220	14	21	5	2	-	3	-	-	-	-	-	-	2	-	-	7		
St. John Westminster HHH - - C.	35496	28	14	6	2	-	1	-	-	-	-	-	-	1	2	2	3		
St. Margaret Westminster H - - C.	24679	7	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Westminster WHH N.R. & G.J.	29941	8	4	3	-	-	1	-	-	-	-	-	-	1	-	-	1		
St. Anne Soho HHHHHH - N.R.	18608	7	5	1	-	-	1	-	-	-	-	-	-	-	-	-	-		
North Districts.																			
All Souls Marylebone HHHHH W.M.	26759	11	16	5	1	-	-	-	-	1	-	-	-	-	-	2	4		
Cavendish Square HHHH - - W.M.	14891	2	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rectory Marylebone WHH G.J. & W.M.	24809	11	10	6	1	-	1	-	-	-	-	-	-	1	-	-	1		
St. Mary Marylebone HHH G.J. & W.M.	21118	22	4	1	2	-	-	-	-	-	-	-	-	-	-	1	-		
Christchurch Marylebone HH - W.M.	33700	26	10	7	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. John Marylebone H - - W.M.	33633	10	4	-	3	-	-	-	-	-	-	-	-	-	-	1	-		
Hampstead WWHHHH - N.R. & W.M.	45452	25	21	2	3	-	1	3	2	-	-	-	-	-	-	-	6		
Regent's Park Panacea H - - W.M.	39115	12	10	4	1	-	1	-	-	1	-	-	-	1	-	-	-		
Tottenham-court WHHHH N.R. & W.M.	27729	11	16	4	2	-	-	-	-	-	-	-	-	1	-	-	10		
Gray's Inn Lane HHH - - N.R.	30247	13	15	1	2	-	-	-	1	-	-	-	-	1	1	4	5		
Somers Town H - - - N.R.	24369	21	17	6	2	-	1	-	-	1	-	-	-	1	2	2	1		
Camden Town WHH - - N.R.	17311	8	10	4	3	-	-	-	-	-	-	-	-	1	1	6	4		
Kentish Town W - - - N.R.	87437	52	47	24	5	-	5	-	-	1	-	-	-	12	1	4	4		
Upper Holloway WWWH - - N.R.	67646	35	38	11	7	-	-	-	-	1	-	-	-	1	1	3	1W		
Islington South-west HH - - N.R.	100976	37	31	10	3	-	1	1	-	1	-	-	-	4	1	2	-		
Islington South-east - - - N.R.	61826	46	13	7	1	-	2	-	-	-	-	-	-	1	-	1	-		
Highbury H - - - N.R.	82048	25	15	2	6	-	-	-	-	2	-	-	-	1	-	1	-		
Stoke Newington H - - - N.R.	22781	15	4	2	2	-	-	-	-	-	-	-	-	1	-	-	-		
Stamford Hill - - - E.L.	9277	9	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney H - - - N.R.	37610	9	21	3	5	-	-	-	-	2	-	-	-	-	2	3	4		
Hackney WWHH - - - E.L. & N.R.	76941	53	55	18	7	-	6	2	4	1	-	3	-	3	4	1	17		
South Hackney - - - E.L.	39888	16	17	6	3	-	1	-	-	-	-	-	-	5	-	-	-		
Central Districts.																			
St. George Bloomsbury - - - N.R.	16681	9	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - - - N.R.	14864	9	3	1	1	-	-	-	-	-	-	-	-	1	-	1	2		
St. Giles North - - - N.R.	13837	9	4	1	1	-	1	-	-	-	-	-	-	-	-	-	1		
St. Martin-in-the-Fields HH N.R. & C.	17609	1	3	1	1	-	-	-	-	-	-	-	-	-	-	-	1		
St. Mary-le-Strand H - - - N.R.	7615	1	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Dances H - - - N.R.	8559	-	11	3	2	-	-	-	-	-	-	-	-	-	2	3	7		
Strand Union Workhouse, Edmonton w.	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
St. Geo.-the-Martyr HHHHHH N.R.	18671	12	13	7	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Andrew Eastern W - - - N.R.	10706	7	3	3	-	-	-	-	-	-	-	-	-	2	-	1	7		
Saffron Hill H - - - N.R.	6633	5	3	3	2	-	-	-	-	-	-	-	-	-	-	-	2		
St. James Clerkenwell - - - N.R.	17516	8	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell - - - N.R.	19281	11	5	3	2	-	-	-	-	-	-	-	-	1	-	2	-		
Pentonville - - - N.R.	14773	13	9	5	2	-	2	-	-	-	-	-	-	1	-	-	-		
Goosewell-street - - - N.R.	17606	16	5	2	2	-	-	-	-	-	-	-	-	-	-	-	-		
Gid-street H - - - N.R.	11541	7	9	3	1	-	1	-	-	-	-	-	-	-	-	-	-		
City-road HHL - - - N.R.	15628	19	8	2	1	-	-	-	-	-	-	1	-	3	-	-	-		
Whitecross-street - - - N.R.	9217	5	6	1	1	-	-	-	-	-	-	-	-	1	-	-	3		
Finbury - - - N.R.	7463	1	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-		
Holborn Union Workhouse, Mitcham w.	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - - - N.R. & E.L.	11174	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2		
Cripplegate - - - N.R.	7193	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - - - N.R.	6355	1	13	1	1	-	-	-	-	-	-	-	-	-	2	2	11		
St. Bride W - - - N.R.	3396	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Allhallows Barking - - - N.R.	18066	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - - - N.R.	5662	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>W</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J., signifies Grand Junction Company; W. M., West Middlesex; C., Chelsea; S., Southwark and Vauxhall; L. Lambeth; N. B., N. River; E. L., East London; and K., the Kent Company.

		The DEATHS registered in the Week include																	
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simpson con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
<b>EAST DISTRICTS.</b>																			
Aldgate South H.L.	N.R.	22943	8	5	1	-	-	1	-	-	-	-	-	-	-	-	-	-	2
Aldgate New Town W.	N.R.	29987	23	16	4	6	-	-	-	-	-	-	-	-	-	-	-	-	4
Aldgate Old Town N.	N.R.	28036	17	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Aldgate St. George's WH	N.R. & E.L.	46275	19	24	10	5	-	1	-	-	-	-	-	-	-	-	-	-	10
Aldgate Green North H	E.L.	51187	27	20	10	3	-	1	-	-	-	-	-	-	-	-	-	-	-
Aldgate Green South H	E.L.	34389	12	7	1	2	-	1	-	-	-	-	-	-	-	-	-	-	1
Aldgate Green East WHL	E.L.	41405	19	23	4	9	-	-	1	1	1	-	-	1	1	-	1	11	-
Aldgate Fields -	E.L. & N.R.	32685	11	5	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Aldgate End New Town W	E.L.	15473	28	13	3	3	-	-	-	-	-	-	-	-	-	-	-	-	7
Aldgate Chapel Church H	E.L. & N.R.	17490	16	20	8	1	-	-	-	-	-	-	-	-	-	-	-	-	23
Aldgate Man's Fields -	E.L.	9713	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldgate Gate -	N.R. & E.L.	6102	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
George's North -	E.L.	38747	27	13	8	-	-	-	-	-	2	-	-	-	1	1	2	-	1
John, St. George East W	E.L.	8410	3	10	1	3	-	2	-	-	-	-	-	-	-	-	1	5	-
Aldgate Well H -	E.L. & N.R.	10995	4	8	3	-	-	1	-	-	-	-	1	-	-	1	1	8	-
Aldgate Well H -	E.L.	16107	4	7	2	-	-	1	-	-	-	-	-	-	-	1	1	2	-
Aldgate Well House -	E.L.	32041	15	7	3	-	-	1	-	-	1	-	-	-	1	-	-	-	-
Aldgate End Old Town West H	E.L.	37980	26	10	3	2	-	1	-	-	-	-	-	-	1	-	-	-	-
Aldgate End Old Town East WWH-E.L.	E.L.	67653	37	26	6	6	-	-	-	1	-	-	-	-	2	1	2	9	-
Aldgate L <sup>s</sup> -	E.L.	37074	35	14	6	1	-	1	-	-	-	-	-	-	2	-	-	1	-
Aldgate WWH-H -	E.L.	64859	54	20	8	3	-	1	-	-	-	-	-	-	3	2	5	6	-
Aldgate WWH -	E.L.	56077	28	16	6	3	-	2	1	-	-	-	-	-	1	-	-	-	-
<b>SOUTH DISTRICTS.</b>																			
Battersea Church Southwark WH	L. & S.	13663	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battersea Church Southwark -	S.	14999	12	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Battersea Church Southwark -	S. & L.	21381	9	16	7	-	-	3	-	-	-	-	-	-	-	-	-	-	1
Battersea Church Southwark -	S. & L.	16953	12	6	2	1	-	1	-	-	-	-	-	-	-	-	-	-	3
Battersea Church Southwark -	L. & S.	21318	7	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Battersea Church Southwark -	S. & L.	25672	13	10	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Battersea Church Southwark -	S. & L.	59555	27	15	7	1	-	1	-										



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 9th August, 1890)

The DEATHS registered in the Week include.																													
Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Aeres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Deaths of												Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.												
LONDON—OUTER RING		370,924	950,957	739	397	144	77	-	12	2	5	15	5	53	14	22	6												
30: 1	Carshalton <i>wL</i> -	12228	21118	9	2	-	1	-	-	-	-	-	-	-	-	-	-												
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	3	2	1	1	-	-	-	-	-	-	-	-	-	-												
37: 1	Godstone ( <i>part of</i> ) * -	2754	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	-												
38: 1	Croydon <i>Ww L</i> -	20851	101241	69	42	12	9	-	3	-	1	2	-	3	-	2	4												
2	Mitcham <i>w</i> -	11697	17932	11	3	2	-	-	-	-	-	-	-	2	-	-	-												
39: 1	Wimbledon <i>HHH</i> -	3220	15950	8	6	-	3	-	1	-	-	-	-	-	-	-	-												
2	Kingston <i>WHH</i> -	8549	36354	19	9	4	2	-	-	-	-	-	-	1	-	-	3												
3	Esher ( <i>part of</i> ) * -	6601	9221	13	4	2	2	-	-	-	-	-	-	-	-	-	-												
4	Hampton <i>H</i> -	4573	13559	7	6	-	1	-	-	-	-	-	-	1	-	-	-												
40: 1	Richmond <i>WH</i> -	2272	21502	6	8	-	2	-	-	-	-	-	-	-	-	-	-												
2	Mortlake -	2941	12331	8	7	1	1	-	1	-	-	-	-	1	1	1	-												
41: 1	Bromley ( <i>pt. of</i> ) * <i>HH</i>	15689	81142	15	-	-	-	-	-	-	-	-	-	-	-	1	-												
2	Chislehurst ( <i>pt. of</i> ) * <i>WHH</i>	14307	15844	7	3	2	-	-	-	-	-	-	-	-	-	-	-												
42: 1	Bexley <i>H</i> -	13437	24134	18	7	2	2	-	-	-	-	-	-	3	-	-	-												
2	Dartford ( <i>Ww, pts. of</i> ) *	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	2												
124: 1	Sunbury <i>w</i> -	11055	11685	8	3	-	2	-	-	-	-	-	-	-	-	-	-												
2	Staines <i>W</i> -	13277	12089	10	7	2	1	-	1	-	-	1	-	1	-	-	2												
125: 1	Hillingdon <i>WHH</i> -	6029	10802	8	6	2	2	-	-	-	-	-	-	1	-	-	1												
2	Uxbridge -	6178	3225	1	-	-	-	-	-	-	-	-	-	-	-	-	-												
3	Hayes <i>wHL</i> -	14587	11523	1	1	-	-	-	-	-	-	-	-	-	-	-	-												
126: 1	Isleworth <i>WHH</i> -	7008	22727	14	8	2	1	-	1	-	-	1	-	-	1	1	-												
2	Twickenham <i>H</i> -	2477	12479	11	7	3	-	-	-	-	1	-	-	-	-	1	1												
3	Brentford <i>HL</i> -	4345	27649	19	12	4	3	-	1	-	-	1	-	1	-	-	-												
4	Chiswick -	1340	15975	7	6	4	-	-	-	-	-	-	-	3	1	2	-												
5	Acton <i>wH</i> -	6083	22875	13	14	4	5	-	-	-	-	-	-	2	1	2	-												
127: 1	Harrow <i>H</i> -	13809	12796	5	3	2	-	-	-	-	-	-	-	-	-	-	-												
2	Edgware <i>H</i> -	6994	3749	3	2	-	1	-	-	-	-	-	-	-	-	-	-												
3	Willesden -	4383	27453	37	18	7	6	-	-	-	-	1	-	4	-	-	-												
4	Hendon <i>W</i> -	8382	10484	8	5	2	1	-	-	-	-	-	-	-	-	-	-												
127: 1	Bushey -	9381	6621	3	1	-	1	-	-	-	-	-	-	-	-	-	-												
2	Watford ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
128: 1	South Mimms -	15499	6391	6	1	-	-	-	-	-	-	-	-	-	1	1	1												
2	Barnet -	5133	10092	3	2	-	1	-	-	-	-	-	-	-	-	-	-												
3	Finchley <i>HL</i> -	4638	17615	13	6	2	1	-	-	-	-	-	-	1	1	1	-												
128: 1	Hatfield ( <i>part of</i> ) * -	3006	535	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
129: 1	Hornsey <i>H</i> -	9039	37078	27	10	2	2	-	-	-	-	1	-	-	-	1	-												
2	Tottenham <i>H</i> -	4642	46456	62	36	21	2	-	-	-	-	3	2	4	2	2	2												
3	Edmonton <i>Ww</i> -	7458	23468	21	15	5	2	-	2	-	-	3	-	3	-	-	-												
4	Enfield <i>WH</i> -	12653	19104	11	6	2	2	-	1	-	-	-	-	1	-	-	1												
5	Waltham Abbey -	11017	5348	4	2	1	1	-	-	-	-	-	-	-	-	-	-												
6	Cheshunt -	3480	7735	2	4	-	2	-	-	-	-	-	-	-	-	-	1												
129: 1	Stratford -	882	33600	25	12	4	1	-	-	-	-	-	-	-	1	1	1												
2	West Ham <i>wvH</i> -	4055	90347	93	46	20	2	-	1	1	-	-	2	9	4	5	1												
3	East Ham <i>wv</i> -	3296	10706	21	7	5	-	-	-	-	1	-	-	4	-	-	-												
4	Leyton <i>WwL</i> -	4372	22450	35	18	9	5	-	-	-	-	2	-	1	-	-	2												
5	Walthamstow <i>H</i> -	6520	23899	35	17	6	5	-	-	-	2	-	-	6	-	-	-												
127: 1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9639	10	3	1	2	-	-	-	-	-	-	1	-	-	-												
2	Epping ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
129: 1	Romford ( <i>part of</i> ) * <i>W</i>	6730	2411	5	4	1	1	-	-	-	-	-	1	1	-	-	-												
2	Ilford -	3493	7645	2	5	3	-	-	-	-	-	-	-	2	1	1	-												
3	Barking Town -	4127	9203	11	9	4	-	-	-	1	-	-	-	2	-	-	-												

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37: 1, the parishes of Warlingham and Farley in Godstone district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1938); 41: 1, Bromley sub-district, except the parishes of Cudham, Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Northaw in Ilford sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 9th August, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									Deaths in Public institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet fever.	Diphtheria.	Whooping cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
ATER LONDON	448,334	5,758,500	18.0	4.1	1991	693	360	-	107	19	27	52	17	234	64	399	
NER LONDON	77,410	4,421,661	18.8	4.2	1594	549	283	-	95	17	22	37	12	176	50	373	
TER RING	370,924	1,336,839	15.5	3.8	397	144	77	-	12	2	5	15	5	53	14	20	

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 622 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS. of Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Diseases.
ANTWERP	433,219	June 14	-	-	-	-	-	-	-	-	-	-	-
BAY	773,196	July 15	234	345	19.3	4	-	?	?	?	139	22	†
BRAS	398,777	June 20	339	253	33.0	-	8	?	?	?	82	32	
BREITENBURG	2,260,945	August 2	1121	848	19.5	-	28	7	17*	10	9	108	
BREITENBURG (Faubourgs.)	477,288	" 2	236	184	20.2	-	6	-	-	-	3	33	
BRUSSELS	406,302	" 2	292	120	15.4	-	3	-	3	1	1	1	
BRUSSELS	203,486	" 2	137	53	14.8	-	-	-	1	-	-	1	
BRUSSELS	156,497	" 2	76	59	19.6	-	8	-	-	-	-	1	
BRUSSELS	312,387	" 2	-	123	21.0	-	12	3	6	4	-	13	
BUDAPEST	236,350	July 26	143	72	15.8	-	-	9	1	2	1	11	
BUDAPEST	143,300	August 2	53	52	18.8	-	-	-	4	-	-	14	
BUDAPEST	842,000	July 26	-	453	28.4	1	23	12	14	1	15	103	
BUDAPEST	1,526,887	" 19	982	689	23.2	-	16	3	23	12	4	151	
BUDAPEST (State)	575,276	" 26	422	226	20.5	-	9	-	10*	6	1	31	
BUDAPEST	269,250	" 26	185	96	18.5	-	4	-	-	-	-	21	
BUDAPEST	324,400	August 2	256	178	28.7	-	-	7	4*	5	-	54	
BUDAPEST	293,000	" 2	-	151	26.3	-	1	1	4*	2	3	57	
BUDAPEST	822,176	" 2	475	323	20.4	2	4	1	7	-	2	43	
BUDAPEST	514,425	" 2	-	145	24.0	2	3	3	3	3	2	6	
BUDAPEST	463,017	July 26	332	232	26.6	-	2	4	15	-	-	51	
BUDAPEST	160,092	August 2	103	88	28.6	-	-	-	3*	-	2	12	
BUDAPEST	418,217	June 28	204	185	24.4	-	5	2	5	1	5†	30	
BUDAPEST (10 days)	314,827	" 30	256	200	23.1	1	2	-	1	2	11	37	
BUDAPEST	156,515	July 19	88	87	20.0	6	1	-	-	-	-	10	
BUDAPEST	374,838	" 17	374	288	40.0	-	-	-	3*	2	21	108	
BUDAPEST	231,396	" 17	166	164	36.9	-	-	-	1	-	20	50	
BUDAPEST	1,617,997	" 19	-	941	30.1	-	11	7	13	15	5	274	
BUDAPEST	859,612	" 19	-	523	31.3	-	2	2	17	11	1	146	
BUDAPEST	1,064,277	" 19	-	437	21.4	-	-	2	6	7	7	89	
BUDAPEST	500,343	" 19	-	243	25.8	-	1	1	4	3	9	42	
BUDAPEST	254,000	" 12	-	-	-	-	-	-	-	-	-	-	

\* Including deaths from croup.

† Including 1 death from cholera.

‡ Including 2 deaths from malarial fever.





OFFICIAL COPY.

WEEKLY RETURN  
OF  
BIRTHS AND DEATHS IN LONDON  
AND IN  
TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 33. 1890. VOL. LI.] WEEK ENDING SATURDAY, AUGUST 16. [Price 1½d.

General Register Office, Somerset House,  
18th August, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21·0 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	July 26.	Aug. 2.	Aug. 9.	Aug. 16.		July 26.	Aug. 2.	Aug. 9.	Aug. 16.
Birkenhead	18·4	15·9	23·8	21·8	Liverpool -	21·0	21·0	21·6	23·0
Birmingham	16·9	19·4	20·1	21·0	London -	16·7	19·8	18·8	20·6
Blackburn -	13·1	18·6	14·3	19·8	Manchester -	24·5	26·1	25·8	27·6
Bolton -	20·3	20·7	17·6	18·9	Newcastle-on-Tyne	24·6	25·3	23·4	33·9
Bradford -	17·8	17·8	17·6	14·3	Norwich -	18·0	18·6	19·7	20·8
Brighton	15·6	12·2	19·4	21·5	Nottingham	16·2	13·6	14·5	11·9
Bristol -	16·6	14·4	15·0	14·1	Oldham -	13·1	16·3	15·3	12·8
Cardiff -	18·7	9·8	16·5	26·3	Plymouth -	15·9	22·5	25·8	17·2
Derby -	11·9	15·5	16·0	14·5	Portsmouth -	11·7	19·3	16·0	20·8
Halifax -	14·6	16·5	15·9	15·9	Preston -	18·3	21·3	28·3	43·6
Huddersfield	17·7	15·5	14·4	19·4	Salford -	23·2	24·3	17·8	18·7
Hull -	14·4	16·3	14·4	19·5	Sheffield -	19·3	22·4	24·4	25·2
Leeds -	17·3	20·2	19·5	21·6	Sunderland -	19·9	19·9	17·6	22·5
Leicester -	16·6	18·2	19·3	17·9	Wolverhampton -	18·1	19·4	20·6	23·8

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Birkenhead and 1·2 in Manchester; from *scarlet fever*, 1·2 in Manchester, and 1·3 in Liverpool; from *whooping-cough*, 1·1 in Huddersfield, 1·3 in Brighton, and 2·7 in Norwich; from *fever*, 1·3 in Wolverhampton; from *diarrhæa*, 4·5 in Cardiff, 4·7 in Leicester, 5·0 in Sunderland, 5·3 in Sheffield, 5·5 in Norwich, and 19·3 in Preston. The 28 deaths from *diphtheria* included 15 in London, 3 in Liverpool, 3 in Salford, and 2 in Leeds. No death from *small-pox* was recorded in any of the twenty-eight towns.

LONDON.

In LONDON 2527 BIRTHS and 1751 DEATHS were registered. Allowing for increase of population, the births were 286 below, and the deaths 128 above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19·8 and 18·8 in the previous two weeks, rose last week to 20·6. During the first seven weeks of the current quarter the death-rate per 1000 averaged 18·4, being 2·0 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1751 deaths included 80 from measles, 27 from scarlet fever, 15 from diphtheria, 39 from whooping-cough, 16 from enteric fever, one from an ill-defined form of continued fever, 262 from diarrhoea and dysentery, 10 from cholera and choleraic diarrhoea, and not one from small-pox or typhus; thus, 450 deaths were referred to these diseases, being 80 above the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 7; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only one in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 82 and 95 in the previous two weeks, declined last week to 80, but were 39 above the corrected average. The deaths from *scarlet fever*, which had varied in the preceding four weeks between 12 and 19, increased last week to 27, but were 2 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1457 scarlet-fever patients at the end of last week, against 1505 and 1493 on the preceding two Saturdays; 125 cases were admitted during the week, against 168 and 118 in the preceding two weeks. The deaths from *diphtheria*, which had been 36 and 22 in the previous two weeks, further declined last week to 15, and were 3 below the corrected average. The deaths from *whooping-cough*, which had declined from 62 to 37 in the previous three weeks, were 39 last week, and exceeded the corrected average by 5. The deaths from *diarrhoea*, which had been 177 and 176 in the previous two weeks, rose last week to 262, exceeding the corrected average by 46; 246 were of children under 5 years of age, and 12 of persons over 60. The deaths of seven infants and three adults were attributed to *cholera infantum*, *English cholera*, *sporadic cholera*, or *choleraic diarrhoea*.

The deaths attributed to *enteric fever*, which had been 11 in each of the previous two weeks, were last week 16, and slightly in excess of the corrected average. The Metropolitan Asylum Hospitals contained 73 cases of enteric fever, and 3 of typhus, on Saturday last; 12 cases of enteric fever were admitted during the week, against 25 and 11 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been 215 and 197 in the previous two weeks, were 208 last week, and exceeded the corrected average by 23.

Different forms of violence caused 75 deaths, concerning all but 2 of which inquests were held. Of these 75 deaths, 9 were cases of suicide, and one of manslaughter, while the remaining 65 were attributed to accident or negligence. One of these was caused by a vehicle in the street, 3 by burns or scalds, 20 by drowning, and 18 (of infants under one year of age) by suffocation.

#### GREATER LONDON.

In Greater London 3368 births and 2198 deaths were registered, corresponding to annual rates of 30.5 and 19.9 per 1000 of the estimated population. In the Outer Ring the deaths included 87 from diarrhoea, 12 from whooping-cough, and 11 from measles. Of the deaths from diarrhoea, 38 occurred in the district of West Ham, 15 in the district of Brentford, and 11 in the sub-district of Tottenham. The deaths from whooping-cough and from measles each included 5 in the district of Edmonton.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.58 ins.; the highest reading was 29.78 ins. at the beginning of the week, and the lowest was 29.43 ins. on Friday morning. The mean temperature of the *air* was 61°.1, and was 1°.3 below the average in the corresponding weeks of the 20 years ending 1868. The mean corresponded with the average on Sunday, and showed an excess on Monday, but was below the average on the other days of the week. The general direction of the *wind* was S.W., and the horizontal movement of the air averaged 13.3 miles per hour, which was 3.1 miles above the average in the corresponding weeks of 16 years. *Rain* fell on five days of the week, to the aggregate amount of 0.78 in. The duration of registered bright sunshine in the week was 32.6 hours, against 32.4 hours at Glyde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 6th August 1890.

CITIES AND BOROUGH.	Cols.	Registered during the Week ending 16th August, 1890.			The DEATHS registered in the Week include												TEMPERATURE OF THE AIR.						RAINFALL.		CITIES AND BOROUGH.
		POPULATION estimated to the middle of the year 1890.*	BIRTHS.	DEATHS.	Deaths of		Deaths from								Inquest Cases.	Deaths in Public Institutions.	Unspecified Causes of Death.	Annual Rate per 1000, corresponding to the Week's Deaths				In Inches.	In Centi- metres.		
					1 Year or under 15 Years	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.											
																		From All Causes.	From Diseases in Cols. 6-12.	Highest.	Lowest.			Mean.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	
28 TOWNS	5824	3905	1506	625	-	118	70	28	74	34	636	124	215	622	74	21.0	5.2	76.5	43.8	58.7	14.83	1.47	3.73	- 28 TOWNS.	
LONDON	2527	1751	635	300	-	80	27	15	39	17	262	75	128	408	12	20.6	5.2	76.5	51.2	61.1	16.17	0.78	1.98	LONDON.	
BRIGHTON	50	51	21	11	-	-	-	-	3	-	9	-	-	3	2	21.5	5.5	73.0	51.5	60.4	15.78	0.43	1.09	BRIGHTON.	
PORTMOUTH	97	57	22	13	-	-	2	-	1	2	5	2	5	7	-	20.8	3.6	71.0	54.0	62.4	16.89	1.15	2.92	PORTMOUTH.	
NORWICH	67	38	20	6	-	-	-	-	5	-	10	-	-	-	-	20.8	3.2	-	-	-	-	-	-	NORWICH.	
PLYMOUTH	42	26	13	5	-	1	-	-	1	1	5	-	-	3	-	17.2	5.3	73.0	52.7	61.1	16.17	1.14	2.90	PLYMOUTH.	
BRISTOL	136	63	23	7	-	1	1	-	-	-	2	5	2	4	-	14.1	3.5	70.5	52.0	59.5	15.38	1.15	2.92	BRISTOL.	
WOLVERHAMPTON	65	33	14	8	-	1	1	-	-	-	5	2	4	4	-	23.8	5.6	69.8	43.8	56.5	13.61	0.96	2.44	WOLVERHAMPTON.	
BIRMINGHAM	295	186	94	18	-	2	3	1	3	-	37	2	5	27	3	21.0	5.2	-	-	-	-	-	-	BIRMINGHAM.	
LEICESTER	105	53	30	7	-	-	1	-	1	-	14	-	2	7	1	17.9	5.4	-	-	-	-	-	-	LEICESTER.	
NOTTINGHAM	140	56	20	12	-	-	-	-	-	1	14	-	-	3	1	11.9	3.2	69.4	49.3	58.0	14.44	0.92	2.34	NOTTINGHAM.	
DERBY	44	28	8	3	-	1	-	-	1	1	3	1	2	1	-	14.5	3.1	-	-	-	-	-	-	DERBY.	
BIRKENHEAD	57	44	20	4	-	2	-	-	1	1	8	-	-	7	-	21.8	6.0	-	-	-	-	-	-	BIRKENHEAD.	
LIVERPOOL	368	271	87	34	-	3	15	3	1	3	32	6	7	28	19	23.0	4.8	64.4	49.8	56.7	13.72	2.62	6.05	LIVERPOOL.	
ROLTON	73	42	17	4	-	1	2	-	1	-	9	1	1	3	-	18.9	5.9	-	-	-	-	-	-	ROLTON.	
MANCHESTER	263	201	62	31	-	9	9	-	2	-	26	7	12	40	6	27.6	6.3	-	-	-	-	-	-	MANCHESTER.	
SALFORD	187	87	31	10	-	3	1	3	2	2	17	3	4	12	2	18.7	6.0	-	-	-	-	-	-	SALFORD.	
OLDHAM	66	36	9	7	-	1	-	-	2	-	1	-	1	4	1	12.8	1.4	-	-	-	-	-	-	OLDHAM.	
BLACKBURN	78	47	15	9	-	-	-	-	-	-	7	4	4	7	-	19.8	3.4	-	-	-	-	-	-	BLACKBURN.	
PRESTON	86	88	49	11	-	-	-	-	-	-	39	2	3	3	3	43.6	19.8	-	-	-	-	-	-	PRESTON.	
HUDDESFIELD	94	33	11	6	-	-	-	-	-	-	2	-	-	-	4	19.4	2.8	-	-	-	-	-	-	HUDDESFIELD.	
HALIFAX	54	25	4	9	-	-	-	-	1	1	1	1	1	4	1	15.9	1.9	-	-	-	-	-	-	HALIFAX.	
BRADFORD	125	66	18	8	-	4	-	-	-	-	8	2	3	2	1	14.3	2.6	66.4	50.9	67.4	14.11	1.46	3.71	BRADFORD.	
LEEDS	229	151	79	24	-	2	-	2	2	-	30	1	5	19	3	21.6	5.2	-	-	-	-	-	-	LEEDS.	
SHEFFIELD	238	161	63	25	-	3	3	-	2	1	34	-	1	5	5	25.2	6.7	-	-	-	-	-	-	SHEFFIELD.	
HULL	123	89	37	14	-	-	-	1	1	3	15	3	5	4	5	19.5	4.9	73.0	48.0	57.0	13.89	1.35	3.43	HULL.	
SUNDERLAND	110	59	27	12	-	-	-	-	-	-	13	5	5	7	1	22.5	5.0	-	-	-	-	-	-	SUNDERLAND.	
NEWCASTLE	118	106	48	18	-	2	1	1	1	1	11	3	11	5	6	33.9	5.4	68.0	48.0	55.8	13.22	4.24	10.77	NEWCASTLE.	
CARDIFF	92	59	30	9	-	-	-	1	-	-	10	2	2	5	-	26.3	6.2	-	-	-	-	-	-	CARDIFF.	
EDINBURGH	131	98	29	23	-	-	2	-	7	-	6	3	3	2	14	18.8	2.9	64.9	47.5	57.1	13.94	2.55	7.49	EDINBURGH.	
GLASGOW	378	218	53	32	-	2	-	6	12	2	21	10	2	85	20	21.4	4.2	70.7	48.0	58.5	14.72	1.84	3.40	GLASGOW.	
DUBLIN	196	136	32	27	-	1	-	-	3	2	8	2	3	38	16	20.1	2.1	66.1	42.5	55.9	13.28	0.54	1.37	DUBLIN.	

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-THIRD Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2512	2532	2670	2652	2579	2535	2523	2465	2604	2715	2812.5	2527
Males	1275	1244	1388	1393	1335	1285	1272	1268	1333	1392	1438.3	1239
Females	1237	1288	1282	1254	1244	1250	1256	1197	1271	1323	1374.2	1288
<b>TOTAL Deaths</b>	1492	1474	1528	1437	1634	1473	1420	1713	1330	1382	1622.9	1751
Males	759	765	796	756	810	725	712	920	721	711	836.9	954
Females	733	709	732	681	824	748	708	793	609	671	786.0	797

\* The numbers in this column are the average weekly numbers in the thirty-third weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.
<b>TOTAL Births</b>	2443	2091	2399	2477	2516	2359	2480	2472	2346	2512	2557	2176	2527
<b>TOTAL Deaths</b>	1451	1411	1393	1375	1387	1346	1481	1471	1522	1418	1633	1594	1751
<b>Ages at</b>													
{ 0-20 years	739	713	667	658	672	669	793	800	823	793	938	915	1019
{ 20-40 "	166	186	186	172	177	155	165	174	157	132	186	171	169
{ 40-60 "	235	222	250	229	239	254	239	214	249	227	233	225	263
<b>Death</b>													
{ 60-80 "	239	244	235	247	243	220	231	231	250	219	277	230	246
{ 80 years & upwards	72	46	55	69	51	48	47	52	43	47	50	53	54
<b>"</b>													
{ Under 1 year	385	349	285	297	318	339	423	428	445	433	554	549	635
{ 1-5 "	307	250	280	267	262	256	281	281	277	282	286	294	294
{ 5-20 "	97	114	102	94	92	74	89	91	101	73	98	72	90
<b>Deaths from Small-pox</b>	1	-	-	-	-	-	-	-	-	-	-	-	-
" " Measles	94	83	91	100	99	101	100	99	104	94	82	95	80
" " Scarlet fever	15	14	11	11	15	7	13	20	12	13	19	17	27
" " Diphtheria	24	25	20	24	19	21	21	22	19	20	36	22	15
" " Whooping-cough	91	78	75	59	66	52	57	63	56	62	45	37	39
" " Typhus	-	1	-	-	-	2	-	-	-	-	-	-	-
" " Enteric fever	6	3	7	11	6	9	6	9	6	2	11	11	16
" " Simple Cont <sup>d</sup> fever	-	-	1	1	1	-	2	-	1	-	1	1	1
" " Diarrhoea and Dysentery	10	10	8	15	24	51	85	107	111	107	177	176	262
" " Cholera	1	-	1	-	2	2	4	4	1	1	7	4	10
" " all the above- mentioned Diseases	242	214	215	221	232	248	183	327	310	299	378	363	450
" " Dis. of Respira- tory System	294	259	229	240	215	206	244	225	216	185	215	197	208
" " Phthisis	117	116	138	133	131	136	115	132	150	110	147	126	129
" " Dis. of Circula- tory System	121	117	131	122	120	99	105	108	117	107	118	119	113
<b>Violent Deaths</b>	66	64	50	36	54	49	55	40	49	56	73	50	75
<b>Inquest Cases</b>	119	123	119	87	86	99	97	100	113	111	134	103	118
<b>Deaths in Public Institutions</b>	324	328	331	327	314	299	311	321	347	333	405	373	403
<b>TEMPERATURE OF THE AIR</b>													
Mean	58.3	54.0	56.5	56.6	59.3	60.6	55.7	55.7	61.4	61.6	62.9	62.6	61.1
Mean of Highest readings	71.0	65.9	67.0	67.9	70.9	71.5	66.6	65.2	72.1	73.9	74.4	73.8	73.2
Mean of Lowest readings	45.6	44.0	45.1	48.1	49.8	52.5	43.6	48.4	54.3	52.6	53.9	53.2	54.6
<b>Humidity of the Air</b>	65	65	76	81	76	82	84	83	81	75	77	77	82
<b>Rain-fall in inches</b>	0.14	0.07	0.31	0.76	0.38	0.78	1.77	0.85	2.08	0.08	0.11	0.00	0.78
<b>Registered Sunshine (in hours)</b>	71.2	51.9	25.1	28.4	29.3	36.2	23.5	17.9	21.7	44.6	31.9	30.5	32.6

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Martineau, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIndalsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-THIRD Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 33rd Weeks of the 1890-91.*	In the Week ending Saturday, 16th August 1890.							
		Deaths of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
			0-1.	1-5.	5-20.				
ALL CAUSES -	1622·9	1751	635	294	90	169	263	246	54
Small-pox { Vaccinated† -	2·0	-	-	-	-	-	-	-	-
{ Unvaccinated -	2·2	-	-	-	-	-	-	-	-
No Statement	2·6	-	-	-	-	-	-	-	-
Measles -	41·4	80	16	62	2	-	-	-	-
Scarlet Fever -	39·2	27	4	16	7	-	-	-	-
Typhus -	0·7	-	-	-	-	-	-	-	-
Relapsing Fever † -	0·0	-	-	-	-	-	-	-	-
Influenza -	0·0	1	-	-	1	-	-	-	-
Whooping-cough -	33·6	39	19	19	1	-	-	-	-
Diphtheria -	17·7	15	1	10	4	-	-	-	-
Simple Continued and Ill-defined Fever -	1·3	1	1	-	-	-	-	-	-
Enteric Fever -	14·5	16	-	6	7	3	-	-	-
Cholera and Chol. Diarr.	8·5	10	6	1	1	2	-	-	-
Diarrhoea, Dysentery -	216·2	262	191	52	1	3	10	2	-
Remittent Fever† -	0·4	-	-	-	-	-	-	-	-
Hydrophobia -	0·2	-	-	-	-	-	-	-	-
Glanders -	0·0	-	-	-	-	-	-	-	-
Cowpox and Effects of Vaccination † -	0·1	-	-	-	-	-	-	-	-
Veneral Affections -	12·9	9	4	2	2	1	-	-	-
Erysipelas -	5·2	2	-	-	1	1	-	-	-
Pysmia and Septicæmia †	3·0	3	-	-	2	1	-	-	-
Puerperal Fever -	5·8	4	-	-	4	-	-	-	-
Other Zymotic Diseases †	1·7	-	-	-	-	-	-	-	-
Thrush -	4·4	2	2	-	-	-	-	-	-
Worms and other Para- sitical Diseases -	0·4	-	-	-	-	-	-	-	-
Starvation, Want of Breast-milk † -	2·4	1	1	-	-	-	-	-	-
Alcoholism -	5·5	11	-	-	6	4	1	-	-
Rheumatic Fever, Rheumatism of Heart†	6·6	6	-	-	3	1	2	-	-
Rheumatism †	3·4	3	-	-	-	-	3	-	-
Gout -	2·4	2	-	-	-	-	2	-	-
Rickets †	3·2	3	4	4	-	-	-	-	-
Cancer -	59·2	81	-	-	1	11	42	30	-
Tabs Mesenterica -	47·1	41	21	11	1	3	-	-	-
Tubercular Meningitis -	31·4	21	9	7	5	1	-	-	-
Phthisis -	159·5	129	4	8	5	53	49	9	1
Serofula, Tuberculosis -	18·5	26	18	5	4	1	-	-	-
Other Constitutional Diseases † -	8·2	7	-	1	2	2	-	2	-
Premature Birth -	41·7	41	46	-	-	-	-	-	-
Asteleotaxis † -	2·7	4	4	-	-	-	-	-	-
Congenital Malforma- tions -	6·7	4	3	-	1	-	-	-	-
Old Age -	47·0	39	-	-	-	-	16	23	-
Apoplexy -	38·1	33	1	-	1	1	10	18	2
Epilepsy -	6·2	9	-	-	-	3	5	1	-
Convulsions -	54·4	43	37	6	-	-	-	-	-
Other Diseases of Brain and Nervous System	82·3	85	16	17	3	5	13	27	4

CAUSES OF DEATH.	Corrected Averages for the 33rd Weeks of the 1890-91.*	In the Week ending Saturday, 16th August 1890.							
		Deaths of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
			0-1.	1-5.	5-20.				
Diseases of Organs of Special Sense † -	2·0	1	-	1	-	-	-	-	-
Diseases of Circulatory System -	91·4	113	1	2	8	21	39	38	4
Croup -	10·3	4	2	1	1	-	-	-	-
Bronchitis -	91·6	108	33	21	1	4	12	30	7
Pneumonia -	57·7	72	22	22	4	3	10	11	-
Pleurisy -	5·2	6	1	3	-	2	-	-	-
Other Diseases of Respi- ratory System -	20·6	18	4	2	-	-	4	5	3
Dentition † -	14·5	11	9	2	-	-	-	-	-
Quincy, Sore Throat †	0·9	8	1	1	-	-	-	1	-
Enteritis -	14·8	39	20	5	2	-	2	1	-
Peritonitis -	6·2	15	2	-	6	1	4	2	-
Diseases of Liver -	34·2	30	1	1	-	3	16	7	2
Other Diseases of Digestive System -	32·5	36	18	2	4	3	4	3	2
Diseases of Lymphatic System & of Ductless Glands † -	1·1	4	-	1	1	-	2	-	-
Diseases of Urinary System -	37·1	37	-	1	1	6	12	14	3
Diseases of Genital System -	6·0	7	-	-	-	5	2	-	-
Accidents of Childbirth -	4·0	3	-	-	-	2	1	-	-
Diseases of Locomotive System † -	8·6	6	2	-	1	-	1	2	-
Diseases of Integumen- tary System -	5·9	11	4	2	-	1	4	-	-
VIOLENT DEATHS.§									
(ACCIDENT.)									
Fracture and Contusion	20·5	17	-	1	3	1	7	5	-
Gunshot Wound -	0·1	3	-	-	1	-	2	-	-
Cut, Stab -	0·5	3	-	-	-	-	-	-	-
Burn and Scald -	2·9	3	-	1	1	-	1	-	-
Poison -	1·9	-	-	-	-	-	-	-	-
Drowning -	11·3	20	-	-	9	6	3	2	-
Suffocation -	8·6	18	18	-	-	-	-	-	-
Otherwise -	2·6	4	3	-	-	1	-	-	-
(HOMICIDE.)									
Murder & Manslaughter	2·0	1	-	-	-	-	-	1	-
(SUICIDE.)									
Gunshot Wound -	0·8	-	-	-	-	-	-	-	-
Cut, Stab -	0·9	2	-	-	-	1	-	1	-
Poison -	1·4	3	-	-	-	2	-	1	-
Drowning -	2·1	3	-	-	1	2	-	-	-
Hanging -	1·9	-	-	-	-	-	-	-	-
Otherwise -	0·8	1	-	-	-	1	-	-	-
(EXECUTION.)									
Hanging -	0·0	-	-	-	-	-	-	-	-
OTHER CAUSES † -	83·0	78	69	4	-	2	-	1	-

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1852-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When a medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

		The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enu-merated Popu-lation. 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.	Unregistered Causes
					Infants under 1 Year of Age.	Persons aged 60 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con-tinued Fever.	Diarrhoea.	Violence.					
LONDON		3,815,704	2527	1751	635	300	-	80	27	15	39	-	16	1	262	75	128	408			
West Districts - - -		669,688	401	305	110	59	-	17	5	2	5	-	8	-	52	14	22	93			
North Districts - - -		905,947	573	397	148	76	-	15	11	5	9	-	5	-	60	12	19	83	1		
Central Districts - - -		982,238	138	116	42	17	-	8	-	1	2	-	-	-	18	7	12	33	1		
East Districts - - -		692,738	483	335	127	54	-	13	4	4	9	-	4	-	49	15	35	86	1		
South Districts - - -		1,265,148	924	575	208	88	-	82	7	3	14	-	4	1	74	27	40	84	9		
Metropolitan Hospitals and Asylums outside Registra-tion London		-	-	23	-	6	-	-	-	-	-	-	-	-	-	-	-	23	-		
West Districts.																					
St. Mary Paddington WHH G.J. & W.M.		69898	47	32	12	5	-	1	-	-	-	-	-	-	9	-	-	5	-		
St. John Paddington H - - G.J.		37330	13	13	6	1	-	1	-	-	1	-	-	-	3	1	2	8	-		
Kensington Town Ww - - W.M.		120141	66	42	11	14	-	2	1	-	-	-	1	-	1	-	5	23	-		
Brompton H - - W.M. & C.		48010	22	14	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Peter Hammersmith - - W.M.		7699	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.		43430	49	47	24	7	-	3	-	1	1	-	-	-	13	3	5	4	-		
Fulham Ww - - W.M. & C.		42900	58	57	28	8	-	4	4	-	1	-	1	-	13	-	-	14	-		
Chelsea South HHH - - C.		30396	18	16	9	-	-	-	-	-	-	-	1	-	2	1	1	5	-		
Chelsea North-west WHHHHH C.		24925	15	13	-	5	-	-	-	-	-	-	-	-	-	-	-	8	-		
Chelsea North-east - - C.		32307	19	10	1	3	-	-	-	1	-	-	-	-	-	-	-	-	-		
May Fair WW - - G.J.		30553	8	13	1	9	-	1	-	-	-	-	-	-	-	-	-	15	-		
Belgrave WHHH - - C.		59220	20	17	4	2	-	-	-	-	-	-	-	-	2	5	5	5	-		
St. John Westminster HHH - C.		35496	30	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Margaret Westminster H - C.		24679	6	9	3	-	-	1	-	-	-	-	-	-	2	1	1	5	-		
St. James Westminster WHH N.R. & G.J.		29941	17	10	4	2	-	2	-	-	-	-	-	-	1	1	2	-	-		
St. Anne Soho HHHHHHH - N.R.		18608	7	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-		
North Districts.																					
All Souls Marylebone HHHHH W.M.		26759	10	10	2	2	-	1	-	-	-	-	-	-	-	1	1	5	-		
Cavendish Square HHHH - W.M.		14391	-	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rectory Marylebone WH G.J. & W.M.		24809	13	9	3	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
St. Mary Marylebone HHH G.J. & W.M.		21118	36	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
Christchurch Marylebone HH - W.M.		33700	23	16	6	2	-	2	-	-	-	-	-	-	1	1	1	-	-		
St. John Marylebone H - - W.M.		33638	9	11	4	5	-	-	-	-	-	-	-	-	-	-	-	1	-		
Hampstead WwHHHH - N.R. & W.M.		45452	31	22	4	6	-	1	3	1	-	-	1	-	2	1	2	8	-		
Regent's Park Pancras H - - W.M.		59115	15	12	7	2	-	1	-	-	1	-	-	-	-	2	2	-	-		
Tottenham-court WHHHH N.R. & W.M.		27729	16	25	7	4	-	-	-	-	-	-	1	-	5	-	-	12	-		
Somers Town HHH - - N.R.		30247	11	10	4	-	-	-	-	-	-	-	-	-	3	2	4	2	-		
Camden Town WH - - N.R.		34369	17	10	5	1	-	-	-	-	-	-	-	-	1	-	1	-	-		
Kentish Town W - - N.R.		17311	13	11	1	2	-	-	-	-	-	-	-	-	1	1	2	8	-		
Upper Holloway WWHH - - N.R.		87487	71	50	23	12	-	3	-	-	1	-	1	-	12	-	1	6	1		
Islington South-west HH - - N.R.		67946	50	45	19	12	-	1	-	-	2	-	-	-	7	-	-	19	-		
Islington South-east - - N.R.		100976	67	25	12	3	-	-	1	1	1	-	-	-	3	1	1	-	-		
Highbury H - - N.R.		181825	27	18	13	2	-	-	-	-	2	-	-	-	6	6	1	-	-		
Stoke Newington H - - N.R.		82048	28	20	5	5	-	1	-	-	-	-	-	-	5	-	-	-	-		
Stamford Hill - - E.L.		22781	17	10	4	1	-	-	-	1	-	-	-	-	1	1	-	-	-		
West Hackney H - - N.R.		9277	24	13	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-		
Hackney WwHH - - E.L. & N.R.		37610	62	45	14	6	-	-	1	7	2	-	2	-	2	3	3	17	-		
South Hackney - - E.L.		76911	23	18	10	2	-	3	-	-	-	-	-	-	8	-	-	-	-		
Central Districts.																					
St. George Bloomsbury - - N.R.		16681	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - - N.R.		14864	9	5	-	2	-	-	-	-	-	-	-	-	-	-	1	4	-		
St. Giles North - - N.R.		13837	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Martin-in-the-Fields HH N.R. & C.		17508	2	10	1	2	-	-	-	-	-	-	-	-	2	2	2	4	-		
St. Mary-le-Strand H - - N.R.		7515	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-		
St. Clement Danes H - - N.R.		8559	1	2	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-		
Strand Union Workhouse, Edmonton w.		-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Geo.-the-Martyr HHHHHHH N.R.		18671	13	18	8	1	-	-	-	1	-	-	-	-	2	-	-	9	-		
St. Andrew Eastern W - - N.R.		10706	4	5	3	-	-	-	-	-	-	-	-	-	-	-	-	3	-		
Saffron Hill H - - N.R.		6583	12	6	4	1	-	-	-	-	-	-	-	-	-	1	1	-	-		
St. James Clerkenwell - - N.R.		17516	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell - - N.R.		19281	9	4	2	-	-	-	-	-	-	-	-	-	1	1	-	-	-		
Finsbury - - N.R.		14773	14	7	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Goswell-street - - N.R.		17506	7	6	-	2	-	1	-	-	1	-	-	-	-	-	-	-	-		
Old-street H - - N.R.		11541	26	21	9	2	-	2	-	-	-	-	-	-	4	4	7	5	-		
City-road HHL - - N.R.		18628	6	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
Whitcross-street - - N.R.		9217	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury - - N.R.		7463	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - - N.R. & E.L.		11174	7	2	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
Cripplegate - - N.R.		7193	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - - N.R.		5353	1	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Bride W - - N.R.		8396	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-		
Alhallowes Barking - - N.R.		13666	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - - N.R.		5693	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>r</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establisment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts.—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.





TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS)  
AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 16th August, 1899

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, in- clud- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	950,957	841	447	176	81	-	11	3	4	12	2	87	11	16	29	
80:1	Carshalton <i>W</i> L -	12238	21118	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epsom (part of)* <i>W</i> W <sup>H</sup>	9971	10710	4	5	-	2	-	-	-	-	-	-	-	-	-	3	
37:1	Godstone (part of)* -	2754	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>W</i> W L -	20851	101241	47	81	13	5	-	2	-	-	2	-	5	1	2	2	
2	Mitcham <i>W</i> -	11697	17932	11	-	-	2	-	-	1	-	-	-	-	-	-	-	
39:1	Wimbledon <i>H</i> H H -	3220	15950	19	3	-	-	-	1	-	-	-	-	-	-	-	-	
2	Kingston <i>W</i> H H -	8549	36354	20	12	2	3	-	-	-	-	-	-	1	-	-	-	
3	Esher (part of)* -	6601	9231	3	8	-	1	-	-	-	1	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4573	18539	10	7	2	3	-	-	-	-	-	-	1	1	1	1	
40:1	Richmond <i>W</i> H -	2272	21302	14	8	2	2	-	1	-	1	-	-	-	-	-	1	
2	Mortlake -	2941	12331	3	10	1	2	-	-	-	-	-	-	-	1	1	-	
41:1	Bromley (pt. of)* <i>H</i> H	15669	81142	23	14	2	3	-	-	1	-	1	-	-	1	1	2	
2	Chislehurst (pt. of)* <i>W</i> H H	14507	16814	12	1	1	1	-	-	-	-	-	-	-	1	1	3	
42:1	Bexley <i>H</i> -	18437	24134	20	11	4	2	-	-	-	-	-	-	2	-	-	-	
2	Dartford ( <i>W</i> W, pts. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>W</i> -	11055	11685	9	5	1	2	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12089	14	3	-	-	-	-	-	-	-	-	-	1	1	-	
125:1	Hillingdon <i>W</i> H H -	6029	10802	7	2	1	-	-	-	-	-	-	-	-	-	1	-	
2	Uxbridge -	6178	3225	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>W</i> H L -	14587	11523	2	1	-	1	-	-	-	-	-	-	-	-	-	-	
126:1	Isleworth <i>W</i> H H -	7008	23727	16	7	1	2	-	1	-	-	-	-	1	-	-	3	
2	Twickenham <i>H</i> -	2477	12479	10	3	3	-	-	-	-	-	-	-	3	-	-	-	
3	Brentford <i>H</i> L -	4345	27649	20	20	13	3	-	-	1	-	-	-	5	-	-	-	
4	Chiswick -	1340	15975	10	7	3	-	-	-	-	-	-	-	4	-	-	-	
5	Acton <i>W</i> H -	6033	22376	23	9	2	4	-	-	-	-	-	-	2	-	-	-	
127:1	Harrow <i>H</i> -	13809	12796	8	5	2	1	-	-	-	-	-	-	-	-	1	-	
2	Edgware <i>H</i> -	6994	3749	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willenden -	4383	27453	34	23	12	3	-	1	-	1	-	-	4	-	1	-	
4	Hendon <i>W</i> -	8382	10494	14	10	4	3	-	-	-	-	2	-	2	-	-	2	
137:1	Bushey -	9331	6631	2	1	-	1	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms -	15199	6391	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5143	10092	6	3	-	-	-	-	-	-	-	-	-	-	-	2	
3	Finchley <i>H</i> L -	463	17615	13	5	1	3	-	-	-	-	-	-	2	-	-	1	
129:1	Hatfield (part of)* -	2694	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Hornsey <i>H</i> -	3039	27078	30	20	7	7	-	1	-	-	2	-	1	1	1	-	
1	Tottenham <i>H</i> -	4642	46456	57	31	18	2	-	-	-	-	-	1	11	-	1	1	
3	Edmonton <i>W</i> W -	7453	23433	21	12	1	4	-	1	-	-	3	-	-	-	-	2	
4	Enfield <i>W</i> H -	12653	19104	25	14	2	2	-	3	-	-	-	-	-	1	1	1	
5	Waltham Abbey -	11017	5333	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8480	7735	6	2	-	1	-	-	-	-	-	-	-	-	-	-	
130:1	Stratford -	882	38606	34	19	11	1	-	-	-	-	-	-	5	1	1	1	
2	West Ham <i>W</i> W <sup>H</sup> -	4055	90347	130	51	33	3	-	-	-	-	1	1	12	1	1	-	
3	East Ham <i>W</i> W -	3296	10706	25	9	5	1	-	-	-	-	-	-	4	1	1	-	
4	Leyton <i>W</i> W <sup>L</sup> -	4372	32430	42	25	13	3	-	-	-	1	1	-	5	-	-	4	
5	Walthamstow <i>H</i> -	6530	23869	36	25	13	3	-	-	-	-	-	-	12	-	-	-	
137:1	Chigwell (part of)* <i>H</i>	11761	9639	3	5	1	1	-	-	-	-	-	-	1	-	-	-	
2	Epping ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of)* <i>W</i>	6730	3411	1	2	-	-	-	-	-	-	-	-	-	1	-	-	
2	Ilford -	3493	7645	9	3	1	1	-	-	-	-	-	-	-	1	-	-	
3	Barking Town -	4127	9203	17	4	1	1	-	-	-	-	-	-	1	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warringtonham and Farley in Godstone district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadman Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Norton in Hav sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

**TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 16th August, 1890.**

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include													
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from											Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.				
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.			
WATER LONDON	448,334	5,758,500	19.9	5.1	2198	811	381	-	91	30	19	51	19	349	86	437			
INNER LONDON -	77,410	4,421,601	20.6	5.2	1751	635	300	-	80	27	15	39	17	262	75	408			
OUTER RING -	370,924	1,336,839	17.4	4.6	447	176	81	-	11	3	4	12	2	87	11	29			

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 60.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

**TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.**

CITIES.	POPULATION (enumerated or estimated).	DATE		BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
		OF RETURN.	Week ending				Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
ALOUTTA -	433,219	June	14	-	154	18.5	6	-	-	-	-	44	36†	
MBAY -	773,196	July	23	238	330	18.5	1	3	?	?	?	109	24†	
DEAS -	398,777	June	27	373	262	34.1	-	4	?	?	?	80	41	
IS -	2,260,945	August	9	1236	873	20.1	2	25	2	21*	7	10	104	
USSELS (8 Faubourgs.)	477,238	"	9	271	201	23.2	1	7	-	1	3	4	38	
STERDAM -	406,302	"	9	253	116	14.8	-	3	-	1	-	2	2	
STERDAM -	203,486	"	9	145	55	14.0	-	-	-	-	1	-	-	
HAGUE -	156,497	"	9	99	73	24.1	-	4	-	-	-	-	-	
COPENHAGEN -	312,387	"	9	-	140	23.4	-	15	4	10	3	-	9	
CKHOLM -	236,350	"	2	123	80	17.6	-	-	5	2*	1	2	12	
STANTANIA -	143,300	"	9	39	55	20.0	-	-	1	2	-	-	10	
PETERSBURG	842,000	"	2	-	362	20.4	3	15	23	7	4	8	79	
ELIN -	1,526,887	July	26	982	631	22.0	-	17	5	17*	-	4	143	
MBURG(State)	675,276	August	2	427	247	22.4	-	11	-	3*	2	2	25	
ESDEN -	269,250	"	2	194	118	22.8	-	5	1	2*	-	-	23	
ELIAV -	324,400	"	9	240	252	40.6	-	-	5	5*	1	-	77	
NICH -	298,000	"	9	-	189	33.0	-	1	3	3*	-	2	69	
ENFA -	822,176	"	9	502	376	23.8	1	8	1	2	1	-	74	
AGUE -	314,425	"	9	-	171	28.4	-	4	1	5	3	1	6	
DA-PESTE -	463,017	"	2	340	245	28.1	-	2	5	4	-	1	49	
PESTE -	160,092	"	9	107	78	25.3	-	-	-	-	-	-	15	
EL -	418,217	July	5	-	-	-	-	-	-	-	-	-	-	
ELIN (10 days)	314,827	"	10	-	-	-	-	-	-	-	-	-	-	
NICE -	126,515	"	26	73	70	23.3	7	5	-	1	-	1	11	
RO -	374,838	"	24	-	-	-	-	-	-	-	-	-	-	
RIANDRIA -	231,396	"	24	-	-	-	-	-	-	-	-	-	-	
Y YORK -	1,617,997	"	26	-	815	26.0	-	9	4	29	15	8	173	
OCKLYN -	359,612	"	26	-	339	23.3	-	4	1	14	8	5	95	
ADAPHELIA -	1,084,277	"	26	-	380	18.6	-	-	4	4	16	10	61	
NTMORN -	500,343	"	26	-	163	17.0	-	-	1	2	6	5	39	
W ORLEANS -	254,000	"	12	-	129	26.5	-	-	-	2	1	7	9	

\* Including deaths from croup.

† Including 11 deaths from cholera in Calcutta and 4 in Bombay.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 16th AUGUST, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		MONTH AND DAY.		TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is receiving Ozone.					
				Of the Air.		Difference between the Air Temperature and Dew Point Temperature.		Of Radiation.		Of the Water of the Thames at Deptford.		Oster's.		Pressure on the Square Foot.		Robinson's.									
PHASES OF THE MOON.	Fahrenheit.	High.	Low.	High.	Low.	High.	Low.	High.	Low.	High.	Low.	High.	Low.	High.	Low.	High.	Low.	High.	Low.	High.	Low.	High.	Low.	High.	Low.
		est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.
		in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
AUGUST.																									
SUN.	10	29.373	75.0	57.4	17.6	62.7	0.0	61.6	1.1	12.4	0.0	96	133.4	52.7	65.8	65.2	E. & E. S.W. & S.W.	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MON.	11	29.566	76.5	58.0	18.5	63.6	+ 0.9	61.2	2.4	14.3	0.0	92	132.6	55.4	65.6	65.1	SSW. & S.W.	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUES.	12	29.600	70.0	56.6	13.4	61.4	- 1.2	58.0	3.4	11.3	0.6	88	107.0	50.0	66.0	65.7	SW. & W.S.W. & W.N.W.	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WED.	13	29.369	72.1	52.4	19.7	60.3	- 2.2	49.6	10.7	22.4	0.4	68	136.7	45.5	65.6	65.0	W. & W.N.W. & W.S.W.	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THURS.	14	29.605	72.7	51.8	20.9	59.5	- 2.9	51.9	7.6	10.2	1.0	76	138.1	44.1	65.2	64.9	WSW.	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FRI.	15	29.484	75.1	55.0	20.1	61.7	- 0.6	53.7	8.0	21.6	0.0	75	138.0	48.0	64.8	64.3	SSW. & S.W.	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SAT.	16	29.633	70.9	51.2	19.7	58.7	- 3.4	51.1	7.6	18.9	1.2	76	137.0	44.5	64.4	63.6	SSW. & S.W.	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEANS		29.576	73.2	54.6	18.6	61.1	- 1.3	55.3	5.8	17.2	0.5	82	131.8	48.6	65.3	64.8	SW.								
No. of Col.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

DATE.		ELECTRICITY.		REGISTERED SUN ABOVE HORIZON.		GENERAL REMARKS.	
DATE.	August.	(For explanation of symbols, see Note.)	in hours.	Registered Sun above Horizon, in hours.	in hours.		
SUNDAY	10	w. P. till 6h. A.M.; S. P. and S. N. from 6h. A.M. till 9h. A.M.; w. P. till 10h. P., and w. N. afterwards.	3.1	14.9		Frequent heavy rain between 6h. A.M. and 11h. A.M., with lightning and thunder before 7h. A.M.; fine with variable amounts of cloud in afternoon; overcast and showery at night.	
MONDAY	11	w. P. generally	4.7	14.8		Overcast and showery in morning; fine and partially cloudy till evening; with occasional distant thunder in afternoon; overcast at night.	
TUESDAY	12	w. P. throughout	6.3	14.7		Generally overcast till evening; fine with variable amounts of cloud afterwards.	
WEDNESDAY	13	w. P. throughout	6.2	14.7		Fine; partially cloudy.	
THURSDAY	14	w. P. throughout	4.1	14.6		Fine; partially cloudy till evening; overcast afterwards.	
FRIDAY	15	w. P. and occasionally w. N. till afternoon; m. P. afterwards.	6.8	14.6		Variable amounts of cloud till evening; generally cloudless at night. Slight showers in morning. Gusty wind.	
SATURDAY	16	w. P. till 8h. A.M.; v. P. afterwards, with w. N. occasionally till 8h. P.M.	7.4	14.5		Cloudy and showery in morning; fine afterwards; partially cloudy till evening; cloudless at night. Gusty wind in afternoon.	
Sum			Sum 32.6	Sum 102.8			

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1873.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29 derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 29.78 in. at the beginning of the week to 29.53 in. by 9h. A.M. on the 11th; increased to 29.62 in. at 9h. P.M. on the same day; decreased to 29.56 in. at 9h. P.M. on the 12th; increased to 29.62 in. at 9h. P.M. on the 13th; decreased to 29.56 in. at 9h. P.M. on the 14th; increased to 29.62 in. at 9h. P.M. on the 15th; and decreased to 29.56 in. at 9h. P.M. on the 16th.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 34. 1890. VOL. LI.] WEEK ENDING SATURDAY, AUGUST 23. [Price 1½d.

*General Register Office, Somerset House,  
25th August, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21·0 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.		Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.
Birkenhead	15·9	23·8	21·8	14·4	Liverpool -	21·0	21·6	23·0	25·2
Birmingham	19·4	20·1	21·0	24·6	London -	19·8	18·8	20·6	19·2
Blackburn -	18·6	14·3	19·8	21·1	Manchester -	26·1	25·8	27·6	26·8
Bolton -	20·7	17·6	18·9	24·8	Newcastle-on-Tyne	25·3	23·4	33·9	29·4
Bradford	17·8	17·6	14·3	16·9	Norwich -	18·6	19·7	20·8	24·6
Brighton -	12·2	19·4	21·5	21·9	Nottingham	13·6	14·5	11·9	15·3
Bristol -	14·4	15·0	14·1	13·0	Oldham -	16·3	15·3	12·8	16·3
Cardiff -	9·8	16·5	26·3	20·9	Plymouth -	22·5	25·8	17·2	18·5
Derby -	15·5	16·0	14·5	23·3	Portsmouth	19·3	16·0	20·8	19·3
Halifax	16·5	15·9	15·9	15·3	Preston -	21·3	28·3	43·6	31·7
Huddersfield	15·5	14·4	19·4	22·7	Salford -	24·3	17·8	18·7	27·5
Hull -	16·3	14·4	19·5	22·7	Sheffield -	22·4	24·4	25·2	27·6
Leeds -	20·2	19·5	21·6	20·4	Sunderland	19·9	17·6	22·5	24·4
Leicester -	18·2	19·3	17·9	17·9	Wolverhampton	19·4	20·6	23·8	20·6

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Birkenhead, and 1·1 in Bradford; from *scarlet fever*, 1·1 in Huddersfield, 1·2 in Manchester, and 1·8 in Bolton; from *whooping-cough*, 1·1 in Norwich and in Huddersfield; and from *diarrhæa*, 5·6 in Salford, 5·9 in Hull, 6·1 in Sheffield, 7·1 in Norwich, 7·2 in Birmingham, and 12·4 in Preston. The rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 36 deaths from *diphtheria* included 20 in London, 6 in Salford, 3 in Liverpool, 2 in Manchester, and 2 in Birmingham. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2487 BIRTHS and 1629 DEATHS were registered. Allowing for increase of population, the births were 203 below, while the deaths exceeded by 85, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18·8 and 20·6 in the two previous weeks, declined again last week to 19·2. During the first eight weeks of the current quarter the death-rate per 1000 averaged 18·5, being 1·6 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1629 deaths included 73 from measles, 16 from scarlet fever, 20 from diphtheria, 39 from whooping-cough, 11 from enteric fever, 255 from diarrhœa and dysentery, 12 from cholera and choleraic diarrhœa, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 426 deaths were referred to these diseases, being 91 above the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 7; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. The deaths from *measles*, which had numbered 95 and 80 in the two preceding weeks, further declined last week to 73, being, however, double the corrected average. The fatal cases of *scarlet fever*, which had been 19, 17, and 27 in the three preceding weeks, declined again last week to 16, and were 19 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1427 scarlet-fever patients at the end of last week, the numbers on the three preceding Saturdays having declined from 1505 to 1457; 148 cases were admitted during the week, against 168, 118, and 125 in the three preceding weeks. The deaths from *diphtheria*, which had declined from 36 to 15 in the three previous weeks, increased again last week to 20, but were 2 below the corrected average. The deaths from *whooping-cough*, which had been 37 and 39 in the two previous weeks, were again 39 last week, exceeding the corrected average by 4. The 255 deaths from *diarrhœa*, though slightly fewer than the number in the previous week, exceeded the corrected average by 78; 235 were of children under 5 years of age. Twelve deaths from *cholera* or *choleraic diarrhœa* were recorded; of these, one was attributed to *English cholera*, 2 to *cholera infantum*, 2 simply to *cholera*, and 7 to *choleraic diarrhœa*.

The deaths referred to *enteric fever*, which had been 11, 11, and 16 in the three previous weeks, declined again last week to 11, and were 3 below the corrected average. The Metropolitan Asylum Hospitals contained 80 cases of enteric fever, and 3 of typhus, on Saturday last; 13 cases of enteric fever were admitted during the week, against 11 and 12 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been 197 and 208 in the two preceding weeks, were 203 last week, exceeding the corrected average by 27.

Different forms of violence caused 54 deaths, concerning all but 2 of which inquests were held. Of these 54 deaths, 5 were cases of suicide, and one of manslaughter, while the remaining 48 were attributed to accident or negligence. Ten of these were caused by horses or vehicles in the streets, 4 by burns or scalds, one by poison, 3 by drowning, and 9 (including 8 of infants under one year of age) by suffocation.

#### GREATER LONDON.

In Greater London 3235 births and 2097 deaths were registered, corresponding to annual rates of 29·3 and 19·0 per 1000 of the estimated population. In the Outer Ring 110 deaths from diarrhœa, 21 from measles, and 17 from whooping-cough were recorded. The deaths from diarrhœa included 48 in the district of West Ham, and 14 in the sub-district of Tottenham.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·73 ins.; the highest reading was 29·92 ins. on Friday at noon, and the lowest 29·52 ins. on Saturday morning. The mean temperature of the *air* was 59°·0, and was 2°·5 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency on Tuesday amounting to 6°·5. The direction of the *wind* was variable, and the horizontal movement of the air averaged 11·6 miles per hour, which was 2·2 miles above the average in the corresponding weeks of 16 years. *Rain* fell on four days of the week, to the aggregate amount of one inch. The duration of registered bright sunshine in the week was 31·9 hours, against 36·4 hours at Glynde Place, Lewes.

The DEATHS registered in the Week include

See note on first page of this Return.



*Births, Deaths, Meteorology.***TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-FOURTH Week of each of the Eleven Years, 1880–90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2497	2393	2554	2450	2660	2413	2421	2521	2401	2358	2690·0	2487
Males . .	1253	1209	1306	1242	1381	1226	1249	1231	1189	1218	1363·6	1266
Females .	1244	1184	1248	1208	1279	1187	1172	1290	1212	1140	1326·4	1221
<b>TOTAL Deaths</b>	1488	1342	1401	1356	1579	1371	1458	1490	1438	1240	1544·4	1629
Males . .	789	696	755	699	825	692	745	781	763	674	809·0	794
Females .	699	646	646	657	754	679	713	709	675	566	735·4	835

\* The numbers in this column are the average weekly numbers in the thirty-fourth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

		May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	
<b>TOTAL Births</b>	- -	2091	2399	2477	2516	2359	2480	2472	2346	2512	2557	2176	2527	2487	
<b>TOTAL Deaths</b>	- -	1411	1393	1375	1387	1346	1481	1471	1522	1418	1683	1594	1751	1629	
<b>Ages at Death</b>	{ 0—20 years	-	713	667	658	672	669	793	800	823	793	938	915	1019	964
	{ 20—40 "	-	186	186	172	177	155	165	174	157	132	186	171	169	148
	{ 40—60 "	-	222	250	229	239	254	239	214	249	227	232	225	263	233
	{ 60—80 "	-	244	235	247	243	220	237	231	250	219	277	230	246	235
	{ 80 years & upwards	-	46	55	69	51	48	47	52	43	47	50	53	54	49
<b>"</b>	{ Under 1 year	-	349	285	297	318	339	423	428	445	438	554	549	635	603
	{ 1—5 "	-	250	280	267	262	256	281	281	277	282	286	294	294	292
	{ 5—20 "	-	114	102	94	92	74	89	91	101	73	98	72	90	69
<hr/>															
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
" " Measles	-	83	91	100	99	101	100	99	104	94	82	95	80	73	
" " Scarlet fever	-	14	11	11	15	7	13	20	12	13	19	17	27	16	
" " Diphtheria	-	25	20	24	19	24	21	22	19	20	36	22	15	20	
" " Whooping-cough	-	78	75	59	66	52	57	66	56	62	45	37	39	39	
" " Typhus	-	1	1	-	-	2	-	-	-	-	-	-	-	-	
" " Enteric fever	-	3	7	11	6	9	6	9	6	2	11	11	16	11	
" " Simple Cont'd fever	-	-	1	1	1	-	2	-	1	-	1	1	1	-	
" " Diarrhoea and Dysentery	- }	10	8	15	24	51	85	107	111	107	177	176	262	255	
" " Cholera	-	-	1	-	2	2	4	4	1	1	7	4	10	12	
" " all the above- mentioned Diseases	- }	214	215	221	232	248	283	327	310	299	378	363	450	326	
" " Dis. of Respira- tory System	-	259	229	240	215	206	244	225	216	185	215	197	208	203	
" " Phthisis	-	116	138	138	131	136	115	132	150	110	147	126	129	119	
" " Dis. of Circula- tory System	-	117	131	122	120	99	105	108	117	107	118	119	113	116	
<b>Violent Deaths</b>	- -	64	50	36	54	49	55	40	49	56	73	50	75	54	
<b>Inquest Cases</b>	- -	123	109	87	86	99	97	100	113	111	134	103	128	105	
<b>Deaths in Public Institutions</b>	-	328	331	327	314	299	311	321	347	338	405	373	403	342	
<hr/>															
<b>TEMPERATURE OF THE AIR</b>															
Mean	-	54·0	56·5	56·6	59·3	60·6	55·7	55·7	61·4	61·6	62·9	62·6	61·1	59·0	
Mean of Highest readings	-	65·9	67·0	67·9	70·9	71·5	66·6	65·2	72·1	73·9	74·4	73·8	73·2	69·0	
Mean of Lowest readings	-	44·0	48·1	48·1	49·8	52·5	48·6	48·4	54·3	52·6	53·9	53·2	54·6	51·8	
<hr/>															
<b>Humidity of the Air</b>	- -	65	76	81	76	82	84	83	81	75	77	77	82	81	
<b>Rain-fall in inches</b>	- -	0·07	0·31	0·76	0·38	0·78	1·77	0·86	2·08	0·08	0·11	0·00	0·78	1·00	
<b>Registered Sunshine (in hours)</b>	-	51·9	25·1	28·4	29·3	36·2	23·5	17·9	21·7	44·6	31·9	30·5	32·6	31·9	

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different CAUSES in the THIRTY-FOURTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 34th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 23rd August 1890.										CAUSES OF DEATH.	Corrected Averages for the 34th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 23rd August 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.						
			0-1.	1-5.	5-20.						0-1.							1-5.	5-20.				
ALL CAUSES - -	1514*4	1629	603	292	69	148	235	235	40	Diseases of Organs of Special Sense † - -	2*4	1	-	-	-	-	-	1	-				
Small-pox { Vaccinated† - -	1*2	-	-	-	-	-	-	-	-	Diseases of Circulatory System - -	98*8	116	8	1	5	13	32	51	6				
Unvaccinated - -	4*3	-	-	-	-	-	-	-	-	Croup - - - - -	11*7	9	1	8	-	-	-	-	-				
No Statement - -	1*9	-	-	-	-	-	-	-	-	Bronchitis - - -	88*2	104	33	29	-	1	16	20	5				
Measles - - - -	35*8	73	16	55	2	-	-	-	-	Pneumonia - - -	53*4	71	16	29	1	4	11	9	1				
Scarlet Fever - -	35*4	13	1	12	3	-	-	-	-	Pleurisy - - - -	3*7	3	-	-	1	1	1	-	-				
Typhus - - - -	0*3	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	18*5	16	-	6	-	2	4	4	-				
Relapsing Fever † -	0*0	-	-	-	-	-	-	-	-	Dentition † - - -	13*2	7	3	4	-	-	-	-	-				
Influenza - - -	0*0	1	-	-	-	-	-	1	-	Quinsy, Sore Throat † -	2*3	2	-	1	1	-	-	-	-				
Whooping-cough -	34*8	39	12	35	2	-	-	-	-	Enteritis - - - -	15*5	35	21	6	2	3	1	2	-				
Diphtheria - - -	21*5	20	-	15	5	-	-	-	-	Peritonitis - - -	7*3	7	2	-	1	2	2	-	-				
Simple Continued and Ill-defined Fever -	1*5	-	-	-	-	-	-	-	-	Diseases of Liver - -	31*4	25	1	-	-	6	8	9	1				
Enteric Fever - -	14*2	11	1	-	2	6	2	-	-	Other Diseases of Digestive System -	32*8	23	8	-	1	-	8	6	-				
Cholera and Chol. Diarr.	7*4	12	6	1	1	-	2	2	-	Diseases of Lymphatic System & of Duodless Glands † - - -	1*5	1	-	-	-	-	1	-					
Diarrhoea, Dysentery	177*0	255	189	46	1	2	5	8	4	Diseases of Urinary System - - -	34*5	37	-	1	-	6	12	17	1				
Remittent Fever† -	0*3	-	-	-	-	-	-	-	-	Diseases of Generative System - - -	6*3	10	-	-	2	3	5	-	-				
Hydrophobia - -	0*2	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4*6	7	-	-	-	6	1	-	-				
Glanders - - - -	0*1	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - -	6*4	2	-	-	2	-	-	-	-				
Cowpox and Effects of Vaccination † - -	0*0	-	-	-	-	-	-	-	-	Diseases of Integumentary System - - -	4*5	8	4	-	-	-	1	3	-				
Venerical Affections -	12*3	12	7	1	-	2	2	-	-	VIOLENT DEATHS.‡													
Erysipelas - - -	6*7	5	1	1	-	-	1	2	-	(ACCIDENT.)													
Pyæmia and Septicæmia †	2*7	2	1	-	-	1	-	-	-	Fracture and Contusion -	19*5	29	2	6	5	3	8	-	-				
Puerperal Fever - -	5*5	3	-	-	2	1	-	-	-	Gunshot Wound - - -	0*1	-	-	-	-	-	-	-	-				
Other Zymotic Diseases †	1*7	-	-	-	-	-	-	-	-	Cut, Stab - - - -	0*3	-	-	-	-	-	-	-	-				
Thrush - - - - -	4*6	5	5	-	-	-	-	-	-	Burn and Scald - - -	4*1	4	-	3	1	-	-	-	-				
Worms and other Parasitical Diseases - -	0*4	1	1	-	-	-	-	-	-	Poison - - - - -	1*5	1	-	-	-	1	-	-	-				
Starvation, Want of Breast-milk † - -	1*7	-	-	-	-	-	-	-	-	Drowning - - - -	9*4	3	-	-	1	1	1	-	-				
Alcoholism - - -	5*6	6	-	-	2	4	-	-	-	Suffocation - - -	8*4	9	3	-	-	-	1	-	-				
Rheumatic Fever, Rheumatism of Heart†	7*0	6	-	-	2	1	3	-	-	Otherwise - - - -	4*1	2	2	-	-	-	-	-	-				
Rheumatism † - -	2*4	-	-	-	-	-	-	-	-	(HOMICIDE.)													
Gout - - - - -	2*6	4	-	-	-	1	3	-	-	Murder & Manslaughter	1*9	1	-	1	-	-	-	-	-				
Rickets † - - -	3*5	6	2	4	-	-	-	-	-	(SUICIDE.)													
Cancer - - - - -	52*8	62	-	-	-	5	27	23	2	Gunshot Wound - - -	0*4	-	-	-	-	-	-	-	-				
Tabs Mesenterica -	43*1	55	47	7	1	-	-	-	-	Cut, Stab - - - -	1*6	2	-	-	-	1	-	1	-				
Tubercular Meningitis	27*4	31	16	9	5	1	-	-	-	Poison - - - - -	1*9	1	-	-	-	1	-	-	-				
Phthisis - - - -	137*0	119	6	4	13	50	38	8	-	Drowning - - - -	0*7	1	-	-	-	-	-	-	-				
Scrofula, Tuberculosis	18*0	14	10	-	2	2	-	-	-	Hanging - - - - -	1*9	1	-	-	-	-	-	-	-				
Other Constitutional Diseases † - -	7*9	7	-	-	1	2	2	2	-	Otherwise - - - -	0*5	1	-	-	-	1	-	-	-				
Premature Birth - -	37*9	45	46	-	-	-	-	-	-	(EXECUTION.)													
Atelectasis † - -	1*6	2	2	-	-	-	-	-	-	Hanging - - - - -	0*1	-	-	-	-	-	-	-	-				
Congenital Malformations - -	7*6	4	4	-	-	-	-	-	-	OTHER CAUSES † - -	84*0	72	64	5	1	-	1	-	1				
Old Age - - - -	42*2	37	-	-	-	-	-	17	20														
Apoplexy - - - -	39*8	42	1	1	-	4	16	17	3														
Epilepsy - - - -	5*3	6	-	-	-	2	2	2	-														
Convulsions - - -	49*7	51	47	3	1	-	-	-	-														
Other Diseases of Brain and Nervous System †	39*0	66	14	8	5	4	13	17	5														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9\*046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the Week include																					
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of															Deaths in Public Institutions.	Deaths from Unidentified Causes.
					Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.				
LONDON		3,815,704	2487	1629	603	234	-	73	16	20	39	-	11	-	255	54	105	342	1		
West Districts		669,653	396	268	102	43	-	16	2	1	5	-	3	-	39	6	18	75	-		
North Districts		905,947	595	323	116	73	-	12	3	3	8	-	1	-	46	11	10	57	-		
Central Districts		282,238	138	108	32	19	-	4	-	2	3	-	1	-	10	9	15	23	-		
East Districts		609,738	474	345	133	51	-	14	4	4	8	-	5	-	69	13	33	89	-		
South Districts		1,365,148	914	563	215	93	-	27	7	10	15	-	1	-	89	13	23	82	-		
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	20	-	5	-	-	-	-	-	-	-	-	2	-	-	20	-		
West Districts.																					
St. Mary Paddington WHH G.J. & W.M.		69898	41	21	7	4	-	-	-	-	-	-	-	-	2	-	1	7	-		
St. John Paddington H - G.J.		87380	7	14	4	3	-	-	-	-	-	-	-	-	1	2	3	2	-		
Kensington Town W - W.M.		120141	47	42	16	12	-	2	-	-	-	-	1	-	8	-	-	11	-		
Brompton H - W.M. & C.		48010	17	13	2	2	-	-	-	-	-	-	-	-	-	-	2	6	-		
St. Peter Hammersmith - W.M.		7899	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.		64340	54	32	15	3	-	3	1	-	1	-	-	-	6	-	1	3	-		
Fulham W - W.M. & C.		42900	84	45	21	5	-	6	1	1	-	-	2	-	7	-	4	8	-		
Chelsea South HHH - E.		30396	19	15	8	1	-	-	-	-	1	-	-	-	4	-	-	1	-		
Chelsea North-west WHHHH - C.		24925	10	12	3	3	-	-	-	-	1	-	-	-	1	-	-	5	-		
Chelsea North-east - C.		32897	23	15	7	2	-	3	-	-	-	-	-	-	4	-	-	-	-		
May Fair WW - G.J.		80353	3	9	2	3	-	1	-	-	-	-	-	-	-	-	-	7	-		
Belgrave WHH - C.		59220	29	26	5	2	-	1	-	-	-	-	-	-	3	4	5	18	-		
St. John Westminster HHH - C.		85496	16	8	1	1	-	1	-	-	-	-	-	-	1	-	-	-	-		
St. Margaret Westminster H - C.		24679	5	6	2	1	-	-	-	-	1	-	-	-	1	-	-	4	-		
St. James Westminster WHH N.R. & G.J.		29241	8	7	6	1	-	-	-	-	-	-	-	-	2	-	-	1	-		
St. Anne Soko HHHHHH - N.R.		18908	7	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
North Districts.																					
All Souls Marylebone HHHHH W.M.		26759	10	9	2	-	-	-	-	-	1	-	-	-	1	-	-	5	-		
Cavendish Square HHHH - W.M.		14981	10	8	1	4	-	-	-	-	-	-	-	-	1	1	1	2	-		
Rectory Marylebone WH G.J. & W.M.		24909	27	6	4	1	-	-	-	-	-	-	-	-	1	-	-	1	-		
St. Mary Maryleb. HHH G.J. & W.M.		31118	19	10	4	2	-	-	-	-	-	-	-	-	2	-	-	-	-		
Christchurch Marylebone HH - W.M.		33700	23	14	7	4	-	-	-	-	-	-	-	-	1	-	1	-	-		
St. John Marylebone H - W.M.		33638	23	14	5	4	-	-	-	-	-	-	-	-	2	-	-	-	-		
Hampstead W - HHHH - N.R. & W.M.		45452	85	14	5	4	-	1	-	1	-	-	-	-	2	-	-	1	-		
Regent's Park Pancras H - W.M.		39115	15	8	4	4	-	-	-	-	-	-	-	-	4	-	-	-	-		
Tottenham-court WHHHH N.R. & W.M.		27739	10	16	4	4	-	-	-	-	-	-	-	-	1	-	-	7	-		
Gray's Inn Lane HHH - N.R.		30247	11	9	4	2	-	1	-	-	-	-	-	-	-	-	-	1	-		
Somers Town H - N.R.		34389	26	13	4	1	-	-	-	-	-	-	-	-	2	-	-	1	-		
Bomera Town H - N.R.		17311	14	11	3	7	-	1	-	-	-	-	-	-	3	-	-	7	-		
Camden Town WH - N.R.		37487	55	27	15	8	-	-	-	1	1	-	-	-	3	-	-	2	-		
Kentish Town W - N.R.		67944	35	11	9	-	-	-	-	-	-	-	-	-	6	1	1	12	-		
Upper Holloway WWH - N.R.		100976	72	28	7	4	-	-	-	2	-	-	1	-	4	5	5	-	-		
Islington South-west HH - N.R.		61825	43	17	9	3	-	-	-	-	-	-	-	-	2	-	-	-	-		
Islington South-east - N.R.		52048	83	14	3	2	-	-	-	1	-	-	-	-	2	2	2	-	-		
Highbury H - N.R.		22751	15	10	3	4	-	-	-	-	1	-	-	-	-	-	-	-	-		
Stoke Newington H - N.R.		9277	14	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Stamford Hill - E.L.		87610	21	5	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
West Hackney H - N.R.		76911	65	45	16	10	-	5	3	-	-	-	-	-	6	1	2	17	-		
Hackney W - E.L. & N.R.		39398	18	22	9	3	-	2	-	-	1	-	-	-	4	1	1	-	-		
South Hackney - L.																					
Central Districts.																					
St. George Bloomsbury - N.R.		16681	4	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - N.R.		14864	4	6	2	2	-	-	-	-	-	-	-	-	-	-	-	2	-		
St. Giles North - N.R.		13837	6	5	2	3	-	-	-	-	-	-	-	-	-	-	1	3	-		
St. Martin-in-the-Fields HH N.R. & C.		17502	7	6	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-		
St. Mary-le-Strand H - N.R.		7515	-	3	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-		
St. Clement Danes H - N.R.		8559	2	4	1	1	-	-	-	-	-	-	-	-	1	-	-	3	-		
Strand Union Workhouse, Edmenton w.		-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-		
St. Geo.-the-Martyr HHHHHH N.R.		18371	7	7	5	-	-	-	-	1	-	-	-	-	1	2	2	1	-		
St. Andrew Eastern W - N.R.		10706	12	5	3	1	-	-	-	-	-	-	-	-	1	1	1	1	-		
Saffron Hill H - N.R.		6333	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - N.R.		17516	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell - N.R.		19281	7	5	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
Pentonville - N.R.		14773	13	7	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Goosewell-street - N.R.		17506	7	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-		
City-street H - N.R.		11541	5	8	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
City-road HHL - N.R.		18828	25	6	3	1	-	-	-	-	1	-	-	-	-	-	-	1	-		
Whitecross-street - N.R.		9217	10	8	3	2	-	-	-	-	-	-	-	-	-	-	-	2	-		
Flusbury - N.R.		7468	1	2	1	1	-	1	-	-	-	-	-	-	1	-	2	1	-		
Holborn Union Workhouse, Mitcham w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - N.R. & E.L.		11174	9	3	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-		
Cripplegate - N.R.		7193	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - N.R.		5359	-	14	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. Bride W - N.R.		8396	3	4	-	2	-	-	-	-	-	-	-	-	2	2	3	13	-		
Allhallows Barking - N.R.		18686	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - N.R.		3652	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishments receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Great Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from													Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipels (or Typhoid) Fever.	Simple con- vulsed Fever.	Diarthra.	Violence.				
<b>EAST DISTRICTS.</b>																				
oreditch South	HL*	-	-	N.R.	22343	15	4	-	-	-	-	-	-	-	-	-	1	2		
oxton New Town	-	-	-	N.R.	29937	18	8	7	3	2	-	-	-	-	-	-	1	2		
oxton Old Town	-	-	-	N.R.	28036	21	7	5	-	-	-	-	-	-	-	-	1	2		
aggerston	WH	-	-	N.R. & E.L.	46276	33	19	7	1	-	-	-	-	-	-	-	1	8		
thnal Green North	H	-	-	E.L.	51157	37	23	10	5	-	1	1	-	-	-	-	6	-		
thnal Green South	-	-	-	E.L.	34399	25	17	9	-	-	2	-	-	-	-	-	1	-		
thnal Green East	WHL*	-	-	E.L.	41405	44	35	14	6	-	-	-	1	-	-	-	5	14		
italfields	-	-	-	E.L. & N.R.	22585	10	7	3	2	-	-	-	-	-	-	-	-	-		
ile End New Town	W	-	-	E.L.	15473	11	13	4	4	-	-	-	-	-	-	-	2	3		
hitechapel Church	H	-	-	E.L. & N.R.	17490	10	20	3	3	-	1	-	3	-	-	-	3	13		
odman's Fields	-	-	-	E.L.	9713	5	1	1	-	-	1	-	-	-	-	-	1	-		
ldgate	-	-	-	N.R. & E.L.	6102	4	1	1	-	-	-	-	-	-	-	-	-	-		
St. George's, North	-	-	-	E.L.	38747	32	22	9	1	-	-	1	2	-	-	-	6	4		
St. John, St. George East	W	-	-	E.L.	8410	10	11	2	5	-	1	-	-	-	-	-	1	8		
oadwell	H	-	-	E.L. & N.R.	10995	7	13	6	-	-	1	-	-	-	-	-	5	1		
atellH	-	-	-	E.L.	16107	7	7	3	1	-	1	-	-	-	-	-	1	1		
mehouse	-	-	-	E.L.	32041	21	18	9	-	-	1	-	1	-	-	-	6	1		
ile End Old Town West	H	-	-	E.L.	37960	32	14	5	2	-	1	-	-	-	-	-	2	3		
ile End Old Town East	WwH	-	-	E.L.	67653	59	15	7	5	-	2	-	1	-	-	-	1	1		
ow L*	-	-	-	E.L.	37074	15	19	8	3	-	2	-	-	-	-	-	5	1		
romley	WwH	-	-	E.L.	64359	32	48	18	10	-	2	-	-	1	-	-	10	5		
oplar	WwH	-	-	E.L.	56077	35	23	11	3	-	-	-	-	3	-	-	6	1		
<b>SOUTH DISTRICTS.</b>																				
hristchurch Southwark	WH	L. & S.			18663	7	6	1	1	-	1	-	-	-	-	-	2	-		
t. Saviour Southwark	-	-			14999	11	7	3	1	-	3	-	1	-	-	-	-	-		
ent-road	-	S. & L.			21381	18	12	5	-	-	3	-	-	-	-	-	3	-		
orough-road	WH	-			15955	17	10	2	-	-	-	-	1	-	-					



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—  
AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 23rd August, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes	
LONDON—OUTER RING		370,924	950,957	743	463	12	73	-	21	3	2	17	4	110	21	32	24	3	
30: 1	Carshalton <i>wL</i> -	12228	21113	9	6	4	-	-	-	-	-	-	-	2	-	-	-	-	
2	Epsom (part of)* <i>WwH</i>	9971	10710	9	7	3	2	-	-	-	-	-	-	-	-	-	1	-	
37: 1	Godstone (part of)* -	2754	1235	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
38: 1	Croydon <i>Ww L</i> -	20851	101241	59	35	10	8	-	3	-	-	1	1	6	2	4	4	-	
2	Mitcham <i>w</i> -	11697	17932	12	10	4	2	-	1	-	-	-	-	1	1	3	-	-	
39: 1	Wimbledon <i>HHH</i> -	3220	15950	11	5	1	-	-	-	-	-	-	-	1	-	1	1	-	
2	Kingston <i>WHH</i> -	8549	38354	24	15	7	2	-	-	-	-	-	-	2	1	1	-	-	
3	Esher (part of)* -	6801	9221	4	5	2	1	-	-	-	-	-	-	-	-	1	-	-	
4	Hampton <i>H</i> -	4573	13539	10	2	1	-	-	-	-	-	-	-	1	-	-	-	-	
40: 1	Richmond <i>WH</i> -	2272	21302	11	10	1	2	-	1	-	1	-	-	2	1	1	-	-	
2	Mortlake -	2941	12331	12	9	4	1	-	-	-	-	-	-	-	2	2	-	-	
41: 1	Bromley (pt. of)* <i>HH</i>	15669	31142	23	11	1	2	-	1	-	-	2	-	-	1	1	-	-	
2	Chislehurst (pt. of)* <i>WHH</i>	14307	15844	5	3	-	-	-	-	-	-	1	-	-	-	-	1	-	
42: 1	Bexley <i>H</i> -	13437	24134	23	15	8	3	-	-	-	-	-	-	3	-	-	1	-	
2	Dartford ( <i>Ww</i> , pts. of)*	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
124: 1	Sunbury <i>w</i> -	11055	11685	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12089	10	3	1	1	-	-	-	-	-	-	-	-	-	-	-	
125: 1	Hillingdon <i>WHH</i> -	6029	10802	10	1	1	-	-	-	-	-	-	-	1	-	-	-	-	
2	Uxbridge -	6173	3225	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14387	11523	2	2	-	1	-	-	-	-	-	-	1	-	-	-	-	
126: 1	Isleworth <i>WHH</i> -	7008	22727	8	9	4	2	-	3	-	-	1	-	1	-	-	1	-	
2	Twickenham <i>H</i> -	2477	12479	8	6	2	2	-	-	-	-	-	-	1	-	1	-	-	
3	Brentford <i>HL</i> -	4345	27649	17	13	6	3	-	2	-	-	1	1	4	1	1	1	-	
4	Chiswick -	1340	15975	9	6	4	-	-	-	-	-	-	-	2	-	-	-	-	
5	Acton <i>wH</i> -	6033	23376	9	9	7	1	-	-	-	-	-	-	4	-	-	-	-	
127: 1	Harrow <i>H</i> -	13809	12706	5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i> -	6994	3749	2	1	1	-	-	-	-	-	1	-	-	-	-	-	-	
3	Willesden -	4383	27453	42	19	14	-	-	1	-	-	-	-	6	-	2	-	-	
4	Hendon <i>W</i> -	8332	10494	11	10	7	-	-	2	-	-	-	-	4	1	1	1	-	
127: 1	Bushey -	9331	6621	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128: 1	South Mimms -	15199	6391	3	1	-	-	-	-	-	-	-	-	-	1	1	-	-	
2	Barnet -	5133	10092	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Finchley <i>HL</i> -	4633	17615	11	4	2	2	-	-	-	-	-	-	-	-	-	-	-	
128: 1	Hatfield (part of)* -	3004	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129: 1	Hornsey <i>H</i> -	3039	37073	19	10	1	3	-	1	-	-	-	-	-	-	1	-	-	
2	Tottenham <i>H</i> -	4642	46453	45	33	19	5	-	1	1	-	3	-	14	1	1	-	-	
3	Edmonton <i>Ww</i> -	7453	23463	14	14	5	3	-	1	1	-	1	-	2	-	-	1	-	
4	Enfield <i>WH</i> -	12633	19104	15	4	2	-	-	-	-	-	-	-	2	1	1	1	-	
5	Waltham Abbey -	11017	33438	5	3	1	1	-	-	-	-	-	-	-	1	1	-	-	
6	Cheshunt -	8490	7735	10	3	2	-	-	-	-	-	-	-	1	-	-	-	-	
129: 1	Stratford -	332	33006	24	23	9	2	-	-	-	-	-	-	7	4	4	3	-	
2	West Ham <i>wvH</i> -	4055	90347	97	63	19	9	-	3	1	-	3	-	19	1	1	-	1	
3	East Ham <i>wv</i> -	3298	10706	21	22	14	3	-	-	-	-	1	-	8	-	1	-	-	
4	Leyton <i>WwL</i> -	4372	33430	43	20	8	4	-	-	-	1	1	1	6	-	-	6	-	
5	Walthamstow <i>H</i> -	6520	23339	42	20	10	2	-	1	-	-	1	-	3	-	-	-	-	
127: 1	Chigwell (part of)* <i>H</i>	11761	9059	12	2	1	-	-	-	-	-	-	-	-	1	1	-	-	
2	Epping ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129: 1	Romford (part of)* <i>W</i>	6730	3411	2	3	-	1	-	-	-	-	-	-	-	-	-	1	-	
2	Ilford -	3493	7645	4	3	1	1	-	-	-	-	-	-	1	1	1	-	-	
3	Barking Town -	4127	9203	12	8	1	2	-	-	-	-	-	1	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
30: 2, Epsom sub-district, except the parishes of Asenstead and Headley (pop. 1235); 37: 1, the parishes of Warringtonham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadnam and Knockholt (pop. 1313); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Norton in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 3751); 138: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 127: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 23rd August, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include															
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from													
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.					
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.					
GREATER LONDON	448,334	5,758,500	19.0	5.2	2097	815	357	-	94	19	22	56	15	365	75	366					
INNER LONDON -	77,410	4,421,661	19.2	4.9	1629	603	284	-	73	16	20	39	11	255	54	342					
OUTER RING -	370,924	1,336,839	18.3	6.1	468	212	73	-	21	3	2	17	4	110	21	24					

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.									
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.			
CALCUTTA	433,219	June 21	-	152	18.3	2	2	-	-	-	-	44	21†		
BOMBAY	773,196	July 29	215	373	21.2	5	1	-	-	-	-	41	31†		
ADRAS	398,777	" 4	-	-	-	-	-	-	-	-	-	106	32†		
PARIS	2,260,945	August 16	1053	906	20.8	2	14	5	31*	10	13	181			
PARIS (8 Faubourgs.)	477,288	" 16	264	209	22.9	-	5	-	-	2	2	56			
AMSTERDAM	406,302	" 16	261	140	17.8	-	5	-	3	1	3	1			
AMSTERDAM	203,486	" 16	147	69	17.6	-	1	-	1	-	-	4			
THE HAGUE	156,497	" 16	101	79	26.3	-	6	-	-	-	-	-			
COPENHAGEN	312,387	" 16	182	130	21.7	-	5	4	6	2	-	23			
STOCKHOLM	336,350	" 9	147	83	18.3	-	-	7	-	2	4	15			
CHRISTIANIA	143,300	" 16	44	49	17.8	-	-	-	3	-	-	15			
PETERSBURG	842,000	" 9	-	423	26.2	8	10	17	7	6	9	82			
BRUSSELS	1,526,887	" 2	920	721	24.3	-	9	10	16	7	5	192			
BRUSSELS (State)	675,276	" 9	-	-	-	-	-	-	-	-	-	-			
BERLIN	269,250	" 9	175	135	26.1	-	3	-	-	24	-	28			
PRAGUE	324,400	" 16	273	275	44.3	-	-	1	5*	5	-	108			
VIENNA	298,000	" 16	-	210	36.6	-	1	2	2*	3	-	85			
VIENNA	822,176	" 16	554	317	20.0	1	2	2	3	2	3	64			
LAGUE	314,425	" 16	-	153	25.4	1	9	6	-	3	4	5			
DA-PRESTH	463,017	" 9	335	261	30.0	-	1	3	18	-	3	60			
BERLIN	160,092	" 16	74	83	27.0	-	-	-	2*	-	1	20			
BERLIN	418,217	July 5	193	177	23.4	-	2	-	1	1	12†	29			
BERLIN (10 days)	314,827	" 10	238	180	20.8	-	-	-	-	4	3	38			
VIENNA	156,515	August 2	91	77	25.7	6	4	-	-	-	1	14			
PARIS	374,338	July 24	530	368	51.1	-	1	-	2*	3	32	140			
ALEXANDRIA	231,396	" 24	151	194	43.6	1	-	-	2*	1	14	61			
NEW YORK	1,617,997	August 2	-	907	28.9	-	14	4	30	15	12	205			
BROOKLYN	859,612	" 2	-	475	23.4	-	1	4	18	11	7	104			
PHILADELPHIA	1,064,277	" 2	-	414	20.3	-	-	1	7	11	13	55			
CHICAGO	500,343	" 2	-	203	21.6	-	-	-	6	2	8	39			
NEW ORLEANS	254,000	July 19	-	129	26.5	-	-	-	2	1	7	9			

\* Including deaths from croup.

† Including 6 and 15 deaths respectively from cholera in Calcutta and 4 in Bombay.

‡ Including 9 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 23RD AUGUST, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		HARCOMETER.		TEMPERATURE.				Difference between this and the Air Temperature.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose receiving surface is 100 square inches of the Ground.	
MONTH AND DAY.		Phases of the Moon.		Of the Air.		Of the Dew Point.		Of the Dew Point.		Of the Dew Point.		Of the Dew Point.		Of the Dew Point.		Of the Dew Point.		Of the Dew Point.		Of the Dew Point.	

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 35. 1890. VOL. LI.] WEEK ENDING SATURDAY, AUGUST 30. [Price 1½d.

General Register Office, Somerset House,  
1st September, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·7 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.		Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.
Birkenhead	23·8	21·8	14·4	19·9	Liverpool -	21·6	23·0	25·2	25·5
Birmingham	20·1	21·0	24·6	21·7	London -	18·8	20·6	19·2	19·6
Blackburn -	14·3	19·8	21·1	15·2	Manchester -	25·8	27·6	26·8	27·6
Bolton -	17·6	18·9	24·8	22·5	Newcastle-on-Tyne	23·4	33·9	29·4	35·2
Bradford -	17·6	14·3	16·9	18·6	Norwich -	19·7	20·8	24·6	20·8
Brighton -	19·4	21·5	21·9	19·8	Nottingham -	14·5	11·9	15·3	12·6
Bristol -	15·0	14·1	13·0	11·2	Oldham -	15·3	12·8	16·3	16·3
Cardiff -	16·5	26·3	20·9	29·4	Plymouth -	25·8	17·2	18·5	17·2
Derby -	16·0	14·5	23·3	16·0	Portsmouth -	16·0	20·8	19·3	20·1
Halifax -	15·9	15·9	15·3	13·3	Preston -	28·3	43·6	31·7	29·7
Huddersfield	14·4	19·4	22·7	17·1	Salford -	17·8	18·7	27·5	23·7
Hull -	14·4	19·5	22·7	20·7	Sheffield -	24·4	25·2	27·6	28·2
Leeds -	19·5	21·6	20·4	18·3	Sunderland -	17·6	22·5	24·4	22·5
Leicester -	19·3	17·9	17·9	20·9	Wolverhampton -	20·6	23·8	20·6	18·1

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·1 in Norwich, 1·3 in Plymouth, and 1·7 in Bradford; from *scarlet fever*, 1·5 in Liverpool; from *whooping-cough*, 1·3 in Newcastle-upon-Tyne and in Cardiff, and 1·6 in Norwich; from "*fever*," 1·7 in Huddersfield; and from *diarrhæa*, 5·1 in Birmingham, 5·7 in Leicester, 7·7 in Sheffield, 8·0 in Cardiff, 9·3 in Norwich, and 9·9 in Preston. The 39 deaths from *diphtheria* included 26 in London, 3 in Manchester, 2 in Liverpool, 2 in Leicester, and 2 in Newcastle-upon-Tyne. No death from *small-pox* was recorded in any of the twenty-eight towns.

## LONDON.

In LONDON 2614 BIRTHS and 1659 DEATHS were registered. Allowing for increase of population, the births were 32 below, while the deaths exceeded by 190, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20·6 and 19·2 in the preceding two weeks, rose again last week to 19·6. During the past nine weeks of the current quarter the death-rate averaged 18·6 per 1000, being 1·2 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1659 deaths included 60 from measles, 24 from scarlet fever, 26 from diphtheria, 39 from whooping-cough, 17 from enteric fever, 180 from diarrhœa and dysentery, 7 from cholera and choleraic diarrhœa, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 353 deaths were referred to these diseases, exceeding by 64 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 6; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had declined in the preceding three weeks from 95 to 73, further fell last week to 60, which number, however, was 26 in excess of the corrected average. The fatal cases of *scarlet fever*, which had been 27 and 16 in the previous two weeks, increased again last week to 24, but were still 8 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1464 scarlet-fever patients at the end of last week, the numbers on the four preceding Saturdays having declined from 1505 to 1427; 174 cases were admitted during the week, against 125 and 148 in the previous two weeks. The deaths from *diphtheria*, which had numbered 15 and 20 in the preceding two weeks, further increased last week to 26, and exceeded the corrected average by 7. The deaths from *whooping-cough*, which had been 39 in each of the previous two weeks, were again 39 last week, exceeding the corrected average by 11. The deaths from *diarrhœa*, which had been 262 and 255 in the preceding two weeks, further declined last week to 180, but were 33 above the corrected average; 163 were of children under five years of age, and 11 of persons aged 60 years and upwards. Seven deaths from *cholera* or *choleraic diarrhœa* were recorded, corresponding with the corrected average; of these, 2 were attributed to *cholera nostras*, one to *cholera morbus*, one to *cholera infantum*, and 3 to *choleraic diarrhœa*.

The deaths referred to *enteric fever*, which had been 16 and 11 in the preceding two weeks, increased again last week to 17, exceeding the corrected average by 2. The Metropolitan Asylum Hospitals contained 85 cases of enteric fever, and one of typhus, on Saturday last; 16 cases of enteric fever were admitted during the week, against 11, 12, and 13 in the preceding three weeks.

The deaths referred to diseases of the respiratory organs, which had been 208 and 203 in the previous two weeks, further declined last week to 184, but were 15 above the corrected average.

Different forms of violence caused 57 deaths, concerning all but one of which inquests were held. Of these 57 deaths, 9 were cases of suicide, one of manslaughter, and one of execution, while the remaining 46 were attributed to accident or negligence. Seven of these were caused by horses or vehicles in the streets, 2 by burns or scalds, one by poison, 9 by drowning, and 5 (including 4 of infants aged under one year) by suffocation. The death of a female, aged 52 years, which occurred in St. Bartholomew's Hospital, was certified to have been caused by the administration of chloroform for the purpose of an operation.

#### GREATER LONDON.

In Greater London 3458 births and 2134 deaths were registered, corresponding to annual rates of 31·3 and 19·3 per 1000 of the estimated population. In the Outer Ring 89 deaths from diarrhœa, 12 from measles, and 11 from whooping-cough were recorded. The deaths from diarrhœa included 38 in the district of West Ham, 10 in the sub-district of Tottenham, and 8 in the sub-district of Croydon. Of the deaths from measles, 4 occurred in the sub-district of Isleworth; and of those from diphtheria, 3 occurred in the sub-district of Leyton.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·55 ins.; the lowest reading was 29·21 ins. on Wednesday afternoon, and the highest 29·93 ins. at the end of the week. The mean temperature of the *air* was 54°·4, and 6°·4 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency amounting on Sunday to 7°·9, and on Saturday to 9°·5. The direction of the *wind* was variable, and the horizontal movement of the air averaged 10·2 miles per hour, which was 0·3 of a mile above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0·67 of an inch. The duration of registered bright sunshine in the week was 36·5 hours, against 42·6 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 30th August 1890.

CITIES AND BOROUGH.	POPULATION estimated to the middle of the year 1890.	Registered during the week ending 30th August, 1890.		Deaths from										TEMPERATURE OF THE AIR.										RAINFALL.		CITIES AND BOROUGH.	
		BIRTHS.	DEATHS.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unsettled Causes of Death.	From All Week's Deaths in Causes.	From Diseases in Colic, &c.	Fahrenheit.				Coulgrade.		In Inches.	In Cent.		
																		High.	Low.	Mean.	High.	Low.					
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.		
28 TOWNS	9,715,559	5722	3857	1386	647	-	100	66	39	84	43	590	122	207	620	54	20.7	5.0	68.4	38.7	51.8	11.00	0.98	2.49	-	28 TOWNS.	
LONDON	4,421,661	2614	1659	525	293	-	60	24	26	39	17	180	57	105	364	7	19.6	4.1	68.4	41.2	54.4	12.44	0.67	1.70	LONDON.		
BRIGHTON	123,639	44	47	20	4	-	1	-	-	2	1	11	-	-	4	-	19.8	6.3	-	-	-	-	-	-	BRIGHTON.		
PORTSMOUTH	142,932	94	55	24	9	-	-	-	-	-	1	10	-	2	7	-	20.1	4.0	65.0	44.5	54.6	12.56	1.17	2.37	PORTSMOUTH.		
NORWICH	95,352	59	38	22	6	-	2	-	-	3	-	17	-	-	1	1	20.8	12.0	-	-	-	-	-	-	NORWICH.		
PLYMOUTH	78,780	48	26	9	5	-	2	1	-	-	1	6	-	3	4	1	17.2	6.6	68.0	45.7	55.7	13.17	1.13	2.87	PLYMOUTH.		
BRISTOL	282,248	122	50	17	16	1	1	-	-	1	-	4	1	3	4	1	11.2	1.3	63.2	40.0	51.7	10.84	1.52	3.86	BRISTOL.		
WOLVERHAMPTON	88,406	37	29	14	6	-	-	-	-	-	-	7	-	1	4	1	18.1	4.4	61.8	38.7	49.4	9.67	0.61	1.55	WOLVERHAMPTON.		
BIRMINGHAM	461,865	250	192	94	32	-	3	3	1	3	1	45	10	13	32	5	21.7	6.3	-	-	-	-	-	-	BIRMINGHAM.		
LEICESTER	154,344	98	62	26	12	-	-	1	2	-	-	17	2	3	6	2	20.9	6.8	-	-	-	-	-	-	LEICESTER.		
NOTTINGHAM	244,909	111	59	16	16	-	-	-	-	1	-	11	3	3	9	-	12.6	2.6	63.5	41.0	51.1	10.61	0.69	1.75	NOTTINGHAM.		
DERBY	100,871	51	31	16	5	-	1	-	-	2	-	-	4	-	5	-	16.0	3.6	-	-	-	-	-	-	DERBY.		
BIRMINGHAM	105,049	66	40	20	5	-	1	-	-	-	-	9	4	6	5	-	19.9	5.0	-	-	-	-	-	-	BIRMINGHAM.		
LIVERPOOL	613,463	378	300	96	38	-	6	18	2	4	1	54	12	15	47	1	25.5	7.2	61.7	45.8	52.1	11.17	0.79	2.01	LIVERPOOL.		
BOLTON	115,846	74	50	16	8	-	-	-	-	1	1	10	2	3	3	-	22.5	5.9	-	-	-	-	-	-	BOLTON.		
MANCHESTER	376,487	249	201	82	23	-	5	2	3	4	1	34	5	19	31	4	27.6	6.7	-	-	-	-	-	-	MANCHESTER.		
SALFORD	242,509	138	110	47	12	-	1	4	1	2	3	13	2	2	12	4	23.7	5.2	-	-	-	-	-	-	SALFORD.		
OLDHAM	146,716	76	46	11	9	-	2	-	-	2	2	1	2	4	4	1	16.3	2.5	-	-	-	-	-	-	OLDHAM.		
BLACKBURN	125,553	68	36	9	12	-	-	-	-	-	-	1	4	2	2	4	15.2	2.1	-	-	-	-	-	-	BLACKBURN.		
PRESTON	105,163	58	30	31	6	-	-	-	-	-	1	20	2	2	3	2	29.7	10.4	-	-	-	-	-	-	PRESTON.		
HUDDERSFIELD	94,253	26	31	4	7	-	-	-	-	2	3	2	-	-	6	-	17.1	3.9	-	-	-	-	-	-	HUDDERSFIELD.		
HAULFAX	82,034	45	21	6	4	-	-	-	-	-	-	2	-	-	2	-	13.3	1.3	-	-	-	-	-	-	HAULFAX.		
BRADFORD	240,515	115	86	23	14	-	8	3	-	2	-	7	1	2	6	1	18.6	4.3	61.0	43.9	51.0	10.56	1.02	2.59	BRADFORD.		
LEEDS	365,799	247	128	50	25	-	2	-	-	4	1	25	6	7	13	-	18.3	4.6	-	-	-	-	-	-	LEEDS.		
SHEFFIELD	332,837	225	180	79	21	-	5	5	-	4	4	49	2	5	11	6	28.2	10.5	-	-	-	-	-	-	SHEFFIELD.		
HULL	218,835	117	85	28	22	-	1	-	-	1	2	9	1	3	8	2	20.7	3.2	64.0	40.0	50.0	10.00	1.11	2.82	HULL.		
SUNDERLAND	138,606	101	59	21	12	-	-	2	1	-	1	8	2	4	5	-	22.5	4.6	-	-	-	-	-	-	SUNDERLAND.		
NEWCASTLE	162,987	121	110	44	15	-	-	1	2	4	1	13	4	7	13	4	35.2	6.7	58.0	42.0	48.4	9.11	1.08	2.74	NEWCASTLE.		
CARDIFF	117,012	90	66	36	10	-	-	1	-	3	-	18	1	2	8	-	29.4	9.8	-	-	-	-	-	-	CARDIFF.		
EDINBURGH	271,135	152	64	22	13	-	2	-	1	2	-	5	3	?	14	8	12.3	1.9	63.7	40.4	51.5	10.83	.97	2.43	EDINBURGH.		
GLASGOW	530,208	353	187	45	30	-	1	-	5	11	2	17	6	?	28	24	18.4	3.5	63.0	40.5	52.7	11.50	0.86	2.18	GLASGOW.		
DUBLIN	353,082	149	161	41	33	-	2	-	1	3	3	13	3	4	40	17	23.8	3.3	62.5	39.1	51.5	10.83	0.96	2.44	DUBLIN.		

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-FIFTH Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2403	2353	2496	2448	2460	2538	2332	2297	2508	2425	2646·0	2614
Males	1220	1185	1284	1249	1211	1307	1212	1177	1255	1240	1345·6	1274
Females	1183	1173	1212	1199	1249	1231	1120	1120	1253	1185	1300·4	1340
<b>TOTAL Deaths</b>	1460	1190	1473	1292	1542	1238	1323	1399	1342	1263	1468·5	1659
Males	766	632	736	693	815	663	634	710	683	660	767·9	883
Females	694	558	737	599	727	575	644	629	659	603	700·6	776

\* The numbers in this column are the average weekly numbers in the thirty-fifth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.
<b>TOTAL Births</b>	2399	2477	2516	2359	2480	2472	2346	2512	2557	2176	2527	2487	2614
<b>TOTAL Deaths</b>	1393	1375	1387	1346	1481	1471	1532	1418	1633	1594	1751	1629	1659
<b>Ages at Death</b>													
{ 0–20 years	667	658	672	669	798	800	823	793	938	915	1019	964	911
{ 20–40 "	186	172	177	155	165	174	157	132	186	171	169	148	190
{ 40–60 "	250	229	239	254	239	214	249	227	232	225	263	233	265
{ 60–80 "	235	247	243	220	237	231	250	219	277	230	246	235	234
{ 80 years & upwards	55	69	51	48	47	52	43	47	50	53	54	49	59
<b>"</b>													
{ Under 1 year	285	297	318	339	423	428	445	438	554	549	635	603	525
{ 1–5 "	280	267	262	256	281	231	277	282	286	294	294	292	282
{ 5–20 "	102	94	92	74	89	91	101	73	98	72	90	69	104
<b>Deaths from Small-pox</b>	—	—	—	—	—	—	—	—	—	—	—	—	—
" " Measles	91	100	99	101	100	99	104	94	82	95	80	73	60
" " Scarlat fever	11	11	15	7	13	20	12	13	19	17	27	16	24
" " Diphtheria	20	24	19	24	21	22	19	20	36	22	15	20	26
" " Whooping-cough	75	59	66	52	57	66	56	62	45	37	39	39	39
" " Typhus	1	—	—	2	—	—	—	—	—	—	—	—	—
" " Enteric fever	7	11	6	9	6	9	6	2	11	11	16	11	17
" " Simple Contag. fever	1	1	1	—	2	—	1	—	1	1	—	—	—
" " Diarrhoea and Dysentery	8	15	24	51	85	107	111	107	177	176	262	255	180
" " Cholera	1	—	2	2	4	4	1	1	7	4	10	12	7
" " all the above-mentioned Diseases	215	221	232	248	288	327	310	299	378	363	450	426	353
" " Dis. of Respiratory System	229	240	215	206	244	225	216	185	215	197	208	203	184
" " Phthisis	138	138	131	136	115	132	150	110	147	126	129	119	167
" " Dis. of Circulatory System	131	122	120	99	105	108	117	107	118	119	113	116	100
<b>Violent Deaths</b>	50	36	54	49	55	40	49	56	73	50	75	54	57
<b>Inquest Cases</b>	109	87	86	99	97	100	113	111	134	103	128	105	105
<b>Deaths in Public Institutions</b>	331	327	314	299	311	321	347	333	405	373	403	343	364
<b>TEMPERATURE OF THE AIR</b>													
Mean	56·5	56·6	59·3	60·6	55·7	55·7	61·4	61·6	62·9	62·6	61·1	59·0	54·4
Mean of Highest readings	67·0	67·9	70·9	71·5	66·6	65·2	72·1	73·9	74·4	73·8	73·2	69·0	66·5
Mean of Lowest readings	48·1	48·1	49·8	52·5	48·6	48·4	54·3	52·6	53·9	53·2	54·6	51·8	46·0
<b>Humidity of the Air</b>	76	81	76	82	84	83	81	75	77	77	82	81	80
<b>Rain-fall in inches</b>	0·31	0·76	0·38	0·78	1·77	0·86	2·08	0·08	0·11	0·00	0·78	1·00	0·67
<b>Registered Sunshine (in hours)</b>	25·1	28·4	29·3	36·2	23·5	17·9	21·7	44·6	31·9	30·5	32·6	31·9	36·5

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelodge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLaundborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-FIFTH Week of the Year 1890

CAUSES OF DEATH.	Corrected Averages for the 35th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 30th August 1890.										CAUSES OF DEATH.	Corrected Averages for the 35th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 30th August 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
			0-1.	1-5.	5-20.										0-1.	1-5.	5-20.						
ALL CAUSES - -	1468.5	1659	525	282	104	190	265	234	59		Diseases of Organs of Special Sense † - -	1.2	-	-	-	-	-	-	-	-	-	-	
Small-pox { Vaccinated † - -	1.0	-	-	-	-	-	-	-	-		Diseases of Circulatory System - - -	97.2	100	2	1	8	20	39	26	5			
Small-pox { Unvaccinated - -	2.3	-	-	-	-	-	-	-	-		Croup - - -	9.2	10	-	10	-	-	-	-	-	-		
Small-pox { No Statement - -	2.5	-	-	-	-	-	-	-	-		Bronchitis - - -	84.0	89	22	12	-	-	12	26	7			
Measles - - -	33.6	60	13	45	2	-	-	-	-		Pneumonia - - -	51.9	65	8	30	5	4	8	9	1			
Scarlet Fever - -	31.7	24	-	15	9	-	-	-	-		Pleurisy - - -	4.4	7	-	1	1	3	1	-	-			
Typhus - - -	1.1	-	-	-	-	-	-	-	-		Other Diseases of Respiratory System - - -	19.3	13	2	2	-	2	5	1	1			
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-		Dentition † - -	9.7	6	5	1	-	-	-	-	-			
Influenza - - -	0.0	1	-	-	1	-	-	-	-		Quinsy, Sore Throat † -	2.5	-	-	1	-	1	-	-	-			
Whooping-cough -	23.0	39	18	20	1	-	-	-	-		Enteritis - - -	13.4	42	28	12	-	-	1	1	-			
Diphtheria - - -	18.9	21	-	15	10	1	-	-	-		Peritonitis - - -	7.3	4	1	1	-	-	-	1	1			
Simple Continued and Ill-defined Fever -	1.2	-	-	-	-	-	-	-	-		Diseases of Liver - - -	29.8	31	4	2	1	5	11	8	-			
Enteric Fever - -	15.3	17	-	-	6	5	6	-	-		Other Diseases of Digestive System - - -	31.3	44	11	7	4	2	9	2	2			
Cholera and Chol. Diarr.	6.8	7	3	-	-	-	-	-	-		Diseases of Lymphatic System & of Ductless Glands † - - -	1.5	1	-	-	-	1	-	-	-			
Diarrhoea, Dysentery	146.5	189	139	83	1	-	8	10	1		Diseases of Urinary System - - -	87.8	88	-	1	1	9	15	15	-			
Remittent Fever - -	0.4	-	-	-	-	-	-	-	-		Diseases of Generative System - - -	5.8	3	-	-	-	2	-	1	-			
Hydrophobia - -	0.2	-	-	-	-	-	-	-	-		Accidents of Childbirth -	4.9	-	-	-	1	7	1	-	-			
Glanders - - -	0.1	-	-	-	-	-	-	-	-		Diseases of Locomotive System † - - -	6.	11	-	-	4	5	2	-	-			
Cowpox and Effects of Vaccination † - -	0.1	-	-	-	-	-	-	-	-		Diseases of Integumentary System - - -	5.2	8	1	-	-	-	2	4	1			
Veneral Affections -	12.4	13	10	-	-	1	1	1	-		VIOLENT DEATHS.‡												
Erysipelas - - -	0.1	2	1	1	-	-	-	-	-		(ACCIDENT.)												
Pyæmia and Septicæmia †	1.9	2	1	1	-	-	-	-	-		Fracture and Contusion -	20.2	24	-	2	3	3	6	5	-			
Puerperal Fever - -	5.2	4	-	-	3	1	-	-	-		Gunshot Wound - - -	0.3	1	-	-	-	-	-	1	-			
Other Zymotic Diseases †	1.3	-	-	-	-	-	-	-	-		Cut, Stab - - -	0.2	2	-	1	-	-	-	-	-			
Thrush - - -	4.4	3	3	-	-	-	-	-	-		Burn and Scald - - -	3.8	2	-	1	-	1	-	-	-			
Worms and other Parasitical Diseases - - -	0.4	-	-	-	-	-	-	-	-		Poison - - -	1.1	1	-	1	-	-	-	-	-			
Starvation, Want of Breast-milk † - -	3.1	-	-	-	-	-	-	-	-		Drowning - - -	3.5	9	-	-	5	3	3	-	-			
Alcoholism - - -	5.8	10	-	-	-	4	4	2	-		Suffocation - - -	3.7	5	4	-	-	-	1	-	-			
Rheumatic Fever, Rheumatism of Heart †	7.4	6	-	-	3	-	2	-	1		Otherwise - - -	3.2	2	1	-	-	-	-	-	-			
Rheumatism † - -	3.4	-	-	-	-	-	-	-	-		(HOMICIDE.)												
Gout - - -	3.7	3	-	-	-	-	-	3	-		Murder & Manslaughter	0.8	1	1	-	-	-	-	-	-			
Rickets † - - -	2.7	3	2	1	-	-	-	-	-		(SUICIDE.)												
Cancer - - -	53.5	67	-	1	1	6	81	26	2		Gunshot Wound - - -	0.5	-	-	-	-	-	-	-	-			
Tubercular Meningitis -	41.3	53	42	6	3	1	-	1	-		Cut, Stab - - -	0.9	2	-	-	-	1	1	-	-			
Phthisis - - -	157.0	107	3	5	20	73	58	8	-		Poison - - -	1.9	1	-	-	-	-	1	2	-			
Scrofula, Tuberculosis	20.4	20	8	7	-	4	1	-	-		Drowning - - -	1.0	3	-	-	-	-	-	-	-			
Other Constitutional Diseases † - -	9.0	8	1	-	-	8	1	3	-		Hanging - - -	1.4	1	-	-	-	1	1	-	-			
Premature Birth - -	38.1	41	41	-	-	-	-	-	-		Otherwise - - -	0.9	2	-	-	-	-	-	-	-			
Atelectasis † - -	3.4	1	1	-	-	-	-	-	-		(EXECUTION.)												
Congenital Malformations - -	6.1	11	10	-	1	-	-	-	-		Hanging - - -	0.0	1	-	-	-	-	1	-	-			
Old Age - - -	44.7	47	-	-	-	-	1	20	26		OTHER CAUSES † - -	75.3	91	73	12	-	-	1	4	1			
Apoplexy - - -	35.1	44	-	-	-	7	12	22	3														
Epilepsy - - -	6.7	4	-	-	-	3	1	-	-														
Convulsions - - -	47.9	51	44	7	-	-	-	-	-														
Other Diseases of Brain and Nervous System	77.9	91	13	18	4	11	14	24	7														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1883-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRATION SUB-DISTRICTS.		Phy- sio- logi- cal Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from													
					Infants under 1 Year of Age.	Persons aged 10 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON		3,815,704	2614	1659	525	293	-	60	24	26	39	-	17	-	180	67	105	364
WEST DISTRICTS		669,633	388	285	83	60	-	12	1	4	3	-	2	-	26	11	16	75
NORTH DISTRICTS		905,947	574	323	100	69	-	10	9	8	7	-	2	-	33	4	16	76
CENTRAL DISTRICTS		822,238	170	109	31	16	-	1	-	2	4	-	1	-	9	5	8	32
EAST DISTRICTS		602,738	537	360	117	50	-	14	8	4	6	-	6	-	46	18	31	82
SOUTH DISTRICTS		1,965,148	945	554	194	89	-	23	6	8	19	-	6	-	61	19	34	71
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	23	-	9	-	-	-	-	-	-	-	-	-	-	-	23
WEST DISTRICTS.																		
St. Mary Paddington WHH G.J. & W.M.		69833	57	26	8	7	-	1	-	-	-	-	-	-	3	2	3	4
St. John Paddington H - - - G.J.		87339	10	11	1	2	-	-	-	1	-	-	-	-	-	-	-	6
Kensington Town W - - - W.M.		190141	63	59	9	16	-	2	-	-	-	-	-	-	5	-	3	20
Brompton H - - - W.M. & C.		48910	12	7	-	3	-	-	-	-	-	-	-	-	-	-	-	4
St. Peter Hammersmith - - - W.M.		7599	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H W.M. & G.J.		64340	54	38	20	3	-	2	-	1	1	-	1	-	5	3	3	4
Fulham W - - - W.M. & C.		42900	67	42	14	8	-	3	-	-	1	-	1	-	4	1	2	7
Chelsea South HHH - - - C.		80368	17	10	2	2	-	-	-	-	-	-	-	-	1	1	1	-
Chelsea North-west WHHHHH - C.		24925	16	14	6	8	-	1	-	-	-	-	-	-	-	-	-	4
Chelsea North-east - - - C.		32807	16	10	7	-	-	2	-	1	-	-	-	-	3	-	-	-
May Fair WW - - - G.J.		80353	5	8	1	3	-	-	-	-	-	-	-	-	1	2	1	6
Belgrave WHH - - - C.		59220	17	23	8	4	-	-	-	1	1	-	-	-	1	2	2	11
St. John Westminster HHH - C.		35496	15	10	3	4	-	-	1	-	-	-	-	-	2	-	-	-
St. Margaret Westminster H - C.		24679	10	8	2	1	-	-	-	-	-	-	-	-	-	-	-	4
St. James Westminster WHH N.R. & G.J.		29941	18	10	2	3	-	1	-	-	-	-	-	-	2	1	1	2
St. Anne Soho HHHHHH - N.R.		16698	9	7	4	1	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone HHHHH W.M.		26759	12	13	2	1	-	-	-	-	-	-	-	-	1	1	1	7
Cavendish Square HHHH - - - W.M.		14391	4	4	2	1	-	-	-	-	-	-	-	-	1	-	-	-
Restory Marylebone WHH G.J. & W.M.		24809	12	7	1	-	-	2	-	-	-	-	-	-	1	-	1	3
St. Mary Marylebone WHH G.J. & W.M.		21118	27	3	1	1	-	-	-	-	-	-	-	-	3	-	-	-
Christchurch Marylebone HHH - W.M.		38700	21	8	4	4	-	-	-	-	-	-	-	-	3	-	1	-
St. John Marylebone H - - - W.M.		33633	12	9	4	4	-	-	-	-	1	-	-	-	3	-	1	-
Hampstead WvHHHH - N.R. & W.M.		45459	81	89	9	4	-	-	4	3	1	-	-	-	3	-	1	9
Regent's Park Panera H - - - W.M.		80115	20	11	2	5	-	-	-	-	-	-	-	-	1	-	-	-
Tottenham-court WHHHH N.R. & W.M.		27729	15	12	1	2	-	-	-	1	-	-	-	-	-	-	-	8
Gray's Inn Lane HHH - - - N.R.		30247	20	10	3	4	-	-	-	-	-	-	-	-	2	-	3	-
Somers Town H - - - N.R.		94360	28	6	2	-	-	-	-	-	-	-	-	-	2	-	-	-
Camden Town WH - - - N.R.		17311	10	6	2	2	-	1	-	-	-	-	-	-	4	1	3	9
Kentish Town W - - - N.R.		67487	47	85	11	6	-	-	-	-	1	-	-	-	4	1	3	9
Upper Holloway WWH - - - N.R.		67040	48	40	10	11	-	-	-	-	-	-	-	-	7	1	1	17
Islington South-west HH - - - N.R.		100976	55	24	13	4	-	1	1	1	-	-	-	-	4	1	-	-
Islington South-east - - - N.R.		61825	45	15	7	1	-	-	-	-	1	-	-	-	1	-	-	-
Highbury H - - - N.R.		52048	33	11	5	2	-	-	-	-	-	-	-	-	-	-	-	-
Stoke Newington H - - - N.R.		32781	18	9	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill - - - E.L.		9277	9	2	7	2	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - - - N.R.		27610	28	21	7	4	-	2	-	-	-	-	-	-	1	2	2	-
Hackney WvWHH - - - E.L. & N.R.		76011	60	35	7	6	-	5	4	3	2	-	1	-	3	-	3	15
South Hackney - - - E.L.		39885	21	14	6	2	-	-	-	-	1	-	1	-	2	-	1	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury - - - N.R.		16681	5	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH - - - N.R.		14884	18	10	2	1	-	-	-	-	-	-	1	-	-	-	-	2
St. Giles North H - - - N.R.		13857	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1
St. Martin-in-the-Fields HHN R. & C.		17502	6	6	-	4	-	-	-	-	-	-	-	-	-	-	-	3
St. Mary-le-Strand H - - - N.R.		7515	6	1	1	1	-	-	-	-	-	-	-	-	1	-	-	-
St. Clement Danes H - - - N.R.		8550	2	7	2	1	-	-	-	-	1	-	-	-	1	-	-	6
Strand Union Workhouse, Edmonson w.		-	-	2	1	1	-	-	-	-	-	-	-	-	-	-	1	2
St. Geo-the-Martyr HHHHHH N.R.		13571	10	14	5	2	-	-	1	-	-	-	-	-	3	-	-	6
St. Andrew Eastern W - - - N.R.		10706	-	5	1	1	-	-	-	-	1	-	-	-	1	-	-	1
Saffron Hill H - - - N.R.		6539	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - - N.R.		17516	11	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - - - N.R.		19231	8	8	1	2	-	-	-	-	1	-	-	-	1	-	-	-
Pentonville - - - N.R.		14773	10	7	5	2	-	1	-	-	-	-	-	-	-	-	-	-
Geswell-street - - - N.R.		17505	15	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Old-street H - - - N.R.		11541	26	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
City-road HHL - - - N.R.		18528	10	4	1	-	-	-	-	-	1	-	-	-	-	-	-	1
Whitecross-street - - - N.R.		9217	4	2	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Knabury - - - N.R.		17468	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitchen w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - - - N.R. & E.L.		11174	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - - N.R.		7193	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - - N.R.		5352	2	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Bride W - - - N.R.		8596	4	8	1	-	-	-	-	-	-	-	-	-	-	-	-	9
Aldhallows Barking - - - N.R.		19566	4	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Broad Street H - - - N.R.		6532	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>P</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. River; E. L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
Saturday, 30th August, 1890.

[illegible]



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS)  
AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 30th August, 1900

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON—OUTER RING		370,924	950,957	844	475	192	85	-	12	6	4	11	3	89	13	29	33
30:1	Carshalton <i>wL</i> -	12228	21118	10	5	1	-	-	-	-	-	-	-	-	-	-	-
2	Epsom (part of)* <i>WwH</i>	9971	10710	7	5	1	2	-	-	-	-	-	-	-	-	-	3
37:1	Godstone (part of)* -	2754	1235	2	1	-	1	-	-	-	-	-	-	-	-	-	-
38:1	Croydon <i>Ww L</i> -	20851	101241	55	35	14	4	-	1	1	-	1	-	8	-	1	1
2	Mitcham <i>w</i> -	11697	17932	9	4	1	1	-	-	-	-	-	-	-	-	1	-
39:1	Wimbledon <i>HHH</i> -	3220	15950	12	2	3	-	-	-	-	-	-	-	-	-	-	-
2	Kingston <i>WHH</i> -	8549	36354	19	13	4	3	-	-	-	-	-	-	2	-	-	5
3	Esher (part of)* -	6601	9221	2	3	-	-	-	-	-	-	-	-	-	-	-	-
4	Hampton <i>H</i> -	4573	13539	9	3	-	1	-	-	-	-	-	-	-	-	-	-
40:1	Richmond <i>WH</i> -	2272	21302	20	8	2	1	-	-	-	-	1	-	1	-	-	2
2	Mortlake -	2941	12331	9	11	4	3	-	-	-	-	1	-	2	2	2	-
41:1	Bromley (pt. of)* <i>HH</i>	15669	81142	24	6	1	1	-	1	-	-	1	-	1	-	-	-
2	Chislehurst (pt. of)* <i>WHH</i>	14307	13844	9	4	-	3	-	-	-	-	-	-	-	-	-	1
42:1	Bexley <i>H</i> -	18437	24134	24	13	6	4	-	-	-	-	-	-	1	-	-	-
2	Dartford ( <i>Ww</i> , pts. of)*	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	2
124:1	Sunbury <i>w</i> -	11055	11689	5	3	-	2	-	-	-	-	-	-	-	-	-	-
2	Staines <i>W</i> -	13277	12089	14	2	-	-	-	-	-	-	-	-	-	1	1	-
125:1	Hillingdon <i>WHH</i> -	6029	10802	8	5	3	-	-	-	-	-	-	-	-	-	-	-
2	Uxbridge -	6178	22235	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Hayes <i>wHL</i> -	14537	11623	13	8	4	1	-	-	-	-	1	-	2	-	-	-
126:1	Isleworth <i>WHH</i> -	7008	22737	14	13	4	2	-	4	-	-	-	-	3	-	-	1
2	Twickenham <i>H</i> -	2477	12479	3	5	2	2	-	1	-	-	-	-	-	-	1	-
3	Brentford <i>HL</i> -	4945	27649	21	13	6	3	-	-	-	-	-	-	3	-	-	-
4	Chiswick -	1840	13975	13	6	3	2	-	-	-	-	-	-	1	-	-	-
5	Acton <i>wH</i> -	6088	22876	22	13	8	2	-	1	1	-	-	-	6	-	1	-
127:1	Harrow <i>H</i> -	13809	12796	6	4	1	1	-	-	-	-	-	-	-	1	1	-
2	Edgware <i>H</i> -	6994	3749	3	1	-	-	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	38	14	6	3	-	-	-	-	-	-	3	1	2	-
4	Hendon <i>W</i> -	8332	10484	10	9	3	2	-	-	-	-	1	-	1	-	3	-
127:1	Bushey -	9331	6621	8	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Watford ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128:1	South Mimms -	15099	6391	7	5	1	-	-	-	-	-	-	-	-	1	1	-
2	Barnet -	5133	10092	13	3	-	2	-	-	-	-	-	-	-	-	-	1
3	Finchley <i>HL</i> -	4683	17615	11	1	-	-	-	-	-	-	-	-	-	-	-	-
128:1	Hatfield (part of)* -	2606	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:1	Hornsey <i>H</i> -	3039	37078	20	17	5	2	-	-	-	-	-	-	2	1	1	-
2	Tottenham <i>H</i> -	4642	46456	66	42	19	4	-	1	2	-	1	1	10	1	6	1
3	Edmonton <i>Ww</i> -	7453	23453	16	11	4	2	-	-	-	-	-	1	2	-	1	3
4	Enfield <i>WH</i> -	12653	19104	23	14	10	2	-	-	-	-	1	-	2	-	-	1
5	Waltham Abbey -	11017	5368	1	2	-	-	-	-	-	-	-	-	-	2	2	-
6	Cheshunt -	3490	7735	14	5	2	1	-	1	-	-	-	-	-	-	-	-
186:1	Stratford -	882	38606	35	22	11	4	-	-	1	-	-	-	8	3	3	3
2	West Ham <i>wvH</i> -	4055	90347	123	55	25	7	-	2	1	1	2	-	16	-	2	-
3	East Ham <i>wv</i> -	3296	10706	16	11	9	1	-	-	-	-	-	-	4	-	-	-
4	Leyton <i>WwL</i> -	4372	32430	49	35	10	6	-	-	-	3	1	1	6	-	-	9
5	Walthamstow <i>H</i> -	6530	23869	41	22	12	1	-	-	-	-	-	-	4	-	-	-
187:1	Chigwell (part of)* <i>H</i>	11761	9639	3	3	1	1	-	-	-	-	-	-	-	-	-	-
2	Epping ( <i>W</i> , pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
189:1	Romford (part of)* <i>W</i>	6730	3411	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Ilford -	3493	7545	4	2	2	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town -	4127	9233	9	9	5	2	-	-	-	-	-	-	1	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:  
 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 189:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 30th August, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include															
			From All Causes.	From Diseases in Cols. 3-14.		Deaths of		Deaths from													Deaths in Public institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.					
EATER LONDON	448,334	5,759,500	19·3	4·3	2134	717	378	-	72	30	30	50	20	269	70	397					
INNER LONDON	77,410	4,421,661	19·6	4·1	1659	525	293	-	60	24	26	39	17	180	37	364					
OUTER RING	370,924	1,336,839	18·5	4·9	475	192	85	-	12	6	4	11	3	89	13	33					

NOTE.—The area of Greater London is 1,000,000 acres.

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 600,522 square miles, which is equivalent to the area of a circle having a radius of 14,933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS. Exclusive of Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA	438,219	July	5	-	173	20·7	3	-	-	-	-	64	25†
BOMBAY	778,196	August	5	360	368	21·3	-	1	-	-	-	60	49†
DELHI	398,777	July	4	381	278	20·6	3	-	-	-	-	109	40†
BARCELONA	2,260,945	August	23	1098	881	36·2	-	2	-	-	-	79	38
BRUSSELS	477,288	"	23	230	261	20·3	1	22	10	27*	9	12	178
PARIS (8 Faubourgs.)	406,309	"	23	277	144	28·5	2	5	-	-	1	7	66
AMSTERDAM	203,486	"	23	137	89	18·7	-	-	-	4	1	1	1
ROTTERDAM	156,407	"	23	100	73	20·7	-	2	-	-	3	-	2
THE HAGUE	156,407	"	23	100	73	24·1	-	5	-	-	-	-	-
COPENHAGEN	512,387	"	23	228	122	20·4	-	11	1	5	2	-	26
STOCKHOLM	236,350	"	16	139	83	18·3	-	-	6	3*	3	1	19
CHRISTIANIA	143,300	"	23	51	48	17·4	-	-	-	5	-	-	14
PETERSBURG	842,000	"	16	-	396	24·5	8	10	16	8	4	13	72
BERLIN	1,526,887	"	9	977	809	27·2	-	11	5	20	14	4	269
FRANKFURT (State)	575,276	"	16	439	247	22·4	-	9	1	6*	3	4	48
MUNICH	269,250	"	16	147	139	26·8	-	1	1	3*	-	-	36
PRAGUE	324,400	"	23	193	304	48·9	-	-	3	5*	4	2	125
VIENNA	298,000	"	23	-	215	37·5	-	1	4	3*	2	-	95
WARSAW	822,176	"	23	480	398	25·2	-	5	2	1	-	3	89
BOLOGNA	314,425	"	23	-	143	23·7	1	1	1	3	2	3	17
BOUDAPEST	463,017	"	16	311	266	29·9	-	-	8	14	1	3	54
BRISTOL	160,092	"	23	88	93	30·2	-	-	-	1	-	-	21
GENOA	418,217	July	12	207	190	25·0	-	5	-	3	1	9†	26
PARIS (10 days)	314,827	"	20	242	167	29·3	1	1	-	2	3	1	34
PARIS	156,615	August	9	106	76	25·3	9	-	-	1	-	4	14
PARIS	374,838	July	31	329	365	50·6	-	-	-	-	1	25	143
ALEXANDRIA	231,396	"	31	159	183	41·1	-	-	-	1	-	14	48
NEW YORK	1,617,997	August	9	-	815	26·0	-	10	4	12	13	8	168
NEW YORK	859,612	"	9	-	442	23·5	-	4	4	6	13	2	114
PHILADELPHIA	1,064,277	"	9	-	430	21·1	-	-	3	5	10	23	66
ST. LOUIS	500,343	"	9	-	203	21·6	-	-	-	5	1	11	22
NEW ORLEANS	254,000	July	26	-	133	27·3	-	-	-	1	2	2	5
		August	2	-	116	23·8	-	-	-	-	3	13	15

\* Including deaths from croup.

† Including 10 and 26 deaths respectively from cholera in Calcutta and 4 in Bombay.

‡ Malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 30TH AUGUST, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.			TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is 5 inches above the level of the Ground.							
Phases of the Moon.	Mean daily reading (corrected to 32° Fahr. zero).	MOON AND DAY.	Of the Air.				Of the Dew Point.		Difference between the Air Temperature and Dew Point Temperature.		Degree of radiation (Satu. 100°).	Of Radiation.		Of the Water of the Thames at Deptford.		Oster's.		Robinson's.		Ozone.						
			High. est.	Low. est.	Daily Range.	Mean value.	De- parture from Average of 20 years.	Mean daily value.	Least.	Great- est.		Mean value.	Least.	High- est.	Low- est.	A.M.	P.M.	Great- est.	Least.		Pressure on the Square Foot.	Horizontal Movement of the Air on each Day.	Depart- ure from Average of 10 Years.			
AUGUST.																										
SUN.	24	..	68.2	44.2	24.0	53.2	— 7.9	48.0	5.2	18.9	0.0	83	127.3	35.6	62.0	61.5	2.7	0.0	163	— 67	0.4					
MON.	25	..	68.3	42.2	26.1	54.3	— 6.7	48.6	5.7	17.8	0.0	81	126.1	33.2	62.2	61.4	2.7	0.0	246	+ 14	0.01					
TUES.	26	Greatest Dec. S.	64.6	47.8	16.8	54.4	— 6.5	50.9	3.5	13.9	0.0	88	122.5	42.0	61.8	61.0	3.8	0.0	427	+ 132	0.17					
WED.	27	..	68.4	50.1	18.3	56.4	— 4.4	49.1	7.3	19.1	0.0	77	123.2	45.0	61.4	60.6	1.4	0.0	294	+ 56	0.03					
THURS.	28	..	67.2	48.3	18.4	57.1	— 3.6	47.7	9.4	18.9	0.0	71	115.7	41.6	60.9	60.3	1.9	0.0	232	— 9	0.02					
FRI.	29	Perigee.	65.6	48.0	17.6	54.6	— 6.0	47.3	7.3	17.3	1.6	77	123.0	40.5	60.8	60.1	0.3	0.0	183	— 61	0.00					
SAT.	30	Full.	63.2	41.2	22.0	50.9	— 9.5	44.8	6.1	16.2	0.0	80	123.6	35.5	60.6	59.6	0.6	0.0	173	— 74	0.00					
MEANS	..		66.5	46.0	20.5	54.4	— 6.4	48.1	6.4	17.4	0.2	80	123.9	39.1	61.4	60.6	..	..	Sum 1717	Sum + 51	0.67					
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
		No. of Col.																								

DATE.		ELECTRICITY.		Registered Sun above Horizon.		GENERAL REMARKS.	
AUGUST.		(For explanation of symbols, see Note.)		in hours.			
SUNDAY	24	w. P. till afternoon; s. N. and s. P. afterwards.	..	6.8	14.0	Fine in morning; thunderstorms in afternoon, with heavy rain; fine and generally cloudless at night.	<p>The height of the cistern of the barometer is 159 feet above the mean level of the sea; n observation has been applied to the readings to reduce to sea level.</p> <p>Observations are usually taken at 8h. A.M.; noon; 3h. P.M.; and 8h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Psychrometrical Tables.</p> <p>The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 30 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 15 years ending 1875.</p> <p>"A" reading means 9 and 25 it will be borne in mind that + indicates "higher," and — "lower," than the average.</p> <p>The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.</p> <p>The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.</p> <p>The numbers in column 23, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.</p> <p>The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.</p> <p>The reading of the barometer decreased from 29.58 in. at the beginning of the week to 29.21 in. by 8h. P.M. on the 27th; and increased to 29.83 in. by the end of the week.</p>
MONDAY	25	w. P.	..	5.7	13.9	Fine and partially cloudy till afternoon; overcast afterwards, with occasional slight rain.	
TUESDAY	26	w. P.	..	3.1	13.9	Cloudy; showery.	
WEDNESDAY	27	w. P. generally	..	3.0	13.8	Overcast in early morning; cloudy and generally fine till evening; variable with lightning at night. A shower of rain at 10h. P.M.	
THURSDAY	28	w. P. in morning; v. N. and v. P. afterwards.	..	7.8	13.8	Fine with small amounts of light till evening; overcast at night; lightning at 3h. P.M.; a shower of rain about 11h. P.M.	
FRIDAY	29	w. P. generally	..	3.5	13.7	Overcast in early morning; fine and partially cloudy afterwards.	
SATURDAY	30	w. P.	..	6.6	13.7	Cloudless and very fine till 10h. A.M.; variable amounts of cloud during day; generally cloudless at night.	
				Sum 36.5	Sum 96.8		

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationery Office,*

AND SOLD BY HYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 36. 1890. VOL. LI.] WEEK ENDING SATURDAY, SEPTEMBER 6. [Price 1½d

*General Register Office, Somerset House,  
8th September, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·0 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.		Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.
Birkenhead	21·8	14·4	19·9	18·4	Liverpool	23·0	25·2	25·5	22·2
Birmingham	21·0	24·6	21·7	17·6	London	20·6	19·2	19·6	17·9
Blackburn	19·8	21·1	15·2	20·3	Manchester	27·6	26·8	27·6	30·4
Bolton	18·9	24·8	22·5	22·1	Newcastle-on-Tyne	33·9	29·4	35·2	22·1
Bradford	14·3	16·9	18·6	14·1	Norwich	20·8	24·6	20·8	22·4
Brighton	21·5	21·9	19·8	14·8	Nottingham	11·9	15·3	12·6	13·6
Bristol	13·7	13·0	11·2	14·1	Oldham	12·8	16·3	16·3	14·6
Cardiff	26·3	20·9	29·4	22·7	Plymouth	17·2	18·5	17·2	15·9
Derby	14·5	23·3	16·0	15·5	Portsmouth	20·8	19·3	20·1	24·1
Halifax	15·9	15·3	13·3	19·1	Preston	43·6	31·7	29·7	25·3
Huddersfield	19·4	22·7	17·1	12·7	Salford	18·7	27·5	23·7	22·4
Hull	19·5	22·7	20·7	21·9	Sheffield	25·2	27·6	28·2	18·3
Leeds	21·6	20·4	18·3	18·5	Sunderland	22·5	24·4	22·5	24·8
Leicester	17·9	17·9	20·9	20·3	Wolverhampton	23·8	20·6	18·1	28·1

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Manchester; from *scarlet fever*, 1·4 in Liverpool and in Manchester; from *whooping-cough*, 1·0 in Derby, in Preston, and in Newcastle-upon-Tyne, 1·6 in Norwich, and 1·7 in Huddersfield; from "*fever*," 1·0 in Leicester and in Preston, and 1·1 in Portsmouth; and from *diarrhœa*, 4·1 in Leicester, 4·2 in Brighton, 4·4 in Wolverhampton and in Hull, 5·3 in Cardiff, 6·4 in Preston, and 6·6 in Portsmouth. The 29 deaths from *diphtheria* included 16 in London, 5 in Manchester, and 2 in Salford. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2469 BIRTHS and 1514 DEATHS were registered. Allowing for increase of population, the births were 247 below, while the deaths exceeded by 86, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19·2 and 19·6 in the preceding two weeks, declined last week to 17·9. During the past ten weeks of the current quarter the death-rate averaged 18·5 per 1000, being 1·0 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1514 deaths included 56 from measles, 18 from scarlet fever, 16 from diphtheria, 46 from whooping-cough, 18 from enteric fever, one from an ill-defined form of continued fever, 128 from diarrhoea and dysentery, 5 from cholera and choleraic diarrhoea, and not one from small-pox or from typhus; thus, 288 deaths were referred to these diseases, exceeding by 20 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 6; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had declined in the preceding four weeks from 95 to 60, further fell last week to 56, but exceeded the corrected average by 35. The fatal cases of *scarlet fever*, which had numbered 27, 16, and 24 in the previous three weeks, declined again last week to 18, and were 17 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1503 scarlet-fever patients at the end of last week, the numbers on the preceding two Saturdays having been 1427 and 1464; 206 cases were admitted during the week, against numbers increasing from 118 to 174 in the preceding four weeks. The deaths from *diphtheria*, which had increased in the previous three weeks from 15 to 26, declined again last week to 16, being 4 below the corrected average. The deaths from *whooping-cough*, which had been 39 in each of the preceding three weeks, increased last week to 46, exceeding the corrected average by 12. The 128 deaths referred to *diarrhoea* showed a further considerable decline from recent weekly numbers, and were one below the corrected average; 118 were of children under five years of age. Five deaths from *cholera* or *choleraic diarrhoea* were recorded, of which 2 were attributed to *English cholera*, 2 to *cholera infantum*, and one to *choleraic diarrhoea*.

The deaths from *enteric fever*, which had been 11 and 17 in the previous two weeks, numbered 18 last week, corresponding with the corrected average. The Metropolitan Asylum Hospitals contained 110 cases of enteric fever, and one of typhus, on Saturday last; 36 cases of enteric fever were admitted during the week, against numbers rising from 11 to 16 in the previous four weeks.

The deaths referred to diseases of the respiratory organs, which had declined in the preceding three weeks from 208 to 184, further fell last week to 180, but exceeded the corrected average by 15.

Different forms of violence caused 54 deaths, concerning all but 3 of which inquests were held. Of these 54 deaths, 4 were cases of suicide, while the remaining 50 were attributed to accident or negligence. Eight of these were caused by horses or vehicles in the streets, 3 by burns or scalds, one by poison, 6 by drowning, and 12 (including 9 of infants aged under one year) by suffocation. The death of a male, aged 51 years, which occurred in the London Hospital, was referred, after inquest, to failure of heart from the effects of chloroform administered for the purpose of an operation.

#### GREATER LONDON.

In Greater London 3276 births and 1884 deaths were registered, corresponding to annual rates of 29·7 and 17·1 per 1000 of the estimated population. In the Outer Ring 53 deaths were referred to diarrhoea, 13 to whooping-cough, and 9 each to measles, diphtheria, and "fever." The deaths from diarrhoea included 6 in Leyton, 5 in Walthamstow, and 5 in Enfield sub-districts. Of the deaths from "fever," 3 occurred in West Ham sub-district, where also 3 of the deaths from whooping-cough occurred.

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Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during August will be found on pages 369-370.

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#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 30·12 ins.; the lowest reading was 29·93 ins. at the beginning of the week, and the highest 30·26 ins. at the end of the week. The mean temperature of the *air* was 58°·4, and 1°·4 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below

the average on Sunday, Monday, and Tuesday, but showed an excess on each of the other days of the week. The direction of the *wind* was variable, and the horizontal movement of the air averaged 7·5 miles per hour, which was 3·3 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 26·8 hours, against 32·6 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of AUGUST 1890; according to their returns 185,011,729 gallons or 840,593 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 242 gallons (110·0 decalitres), rather more than a *ton* by weight, to each house, and (assuming 7·8 persons to each house) 31·0 gallons (14·1 decalitres) to each person, against 30·3 gallons during August 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	AUGUST. 1889.	AUGUST. 1890.	AUGUST. 1889.	AUGUST. 1890.
<b>TOTAL SUPPLY</b> . . . . .	754,464	765,577	178,075,702	185,011,729
From Thames . . . . .	363,624	368,934	88,548,191	93,429,690
From Lea and from other Sources . . . . .	390,840	396,643	89,527,511	91,582,039
<b>THAMES.</b>				
Chelsea . . . . .	35,070	35,557	9,592,104	10,392,285
West Middlesex . . . . .	71,971	73,318	15,760,082	16,810,860
Southwark and Vauxhall . . . . .	111,370	112,291	25,406,846	26,624,354
Grand Junction . . . . .	55,617	56,353	17,725,159	19,703,565
Lambeth . . . . .	89,596	91,415	20,064,000	19,898,046
<b>LEA AND OTHER SOURCES.</b>				
New River . . . . .	152,754	153,579	33,171,000	34,710,000
East London . . . . .	165,581	168,794	43,597,343	43,969,041
Kent . . . . .	72,505	74,270	12,759,163	12,902,993

*Note.*—The Return for August 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,113 houses, and of 6,936,027 gallons of water supplied daily.

## ANALYSIS OF METROPOLITAN WATER SUPPLY DURING AUGUST.

*Water-analysis Laboratory, The Yews, Reigate*  
30th August, 1890.

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of August.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0·6, Tottenham 0·7, New River 0·9, Colne Valley 1·6, East London 2·1, Southwark 2·9, Chelsea 3·5, West Middlesex 4·4, Grand Junction 4·6, and Lambeth 4·8.

The water obtained from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies suffered greatly from heavy rains and consequent floods, the proportion of organic matter observed in recent months having been much increased in every case, and more than doubled in the supplies of the West Middlesex and Grand Junction Companies. Nevertheless all these waters were efficiently filtered and were being delivered in a clear and bright condition at the time the samples were drawn.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered, and the New River Company's supply, practically, maintained the high degree of organic purity which it has of late exhibited. The water supplied by the East London Company, though better than any of the Thames-derived waters, was considerably inferior to that sent out by the same Company in July.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of excellent quality for dietetic use. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the Kent, Colne Valley, and Tottenham waters were clear and colourless; the New River Company's water clear and nearly colourless; the East London and Southwark waters clear and very pale yellow; whilst the remaining waters (Thames)



were clear and pale yellow. A comparison of these tints with those observed last month shows that all the river waters, except the Southwark Company's supply, were deepened in colour by the rains, whilst the deep-well waters were unaffected.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports of the water supplied to that city "its physical characters are satisfactory and its chemical qualities are superior to those of last month's sample."

Dr. Mills, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

I am, &c.

The Registrar General, &c. &c.

E. FRANKLAND.

# RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

	COMPANIES OR LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in	Total	Organic	Organic	Ammonia.	Nitrogen, as Ni-	Total combined	Chlorine.	Total Hardness.
			Centigrade degrees.	Solid Matter.	Carbon.	Nitrogen.		traces and Nitrites.	Nitrogen.		
Inner Circle.	THAMES.	August 1st,									
	Chelsea - - -	{ Cab Rank, Horse Guards, Whitehall.	18°3	23°02	·175	·033	0	·125	·158	1°9	18°0
	West Middlesex - -	{ Stand-pipe, Riding House-street.	16°7	25°60	·224	·036	0	·158	·194	1°9	19°7
	Southwark - - -	{ August 1st, Cab Rank, Bricklayers Arms, Old Kent-road.	17°4	28°80	·149	·025	0	·151	·176	1°9	20°3
	Grand Junction - -	{ August 1st, Cab Rank, Uxbridge-road, near Marble Arch.	18°5	28°36	·225	·044	0	·186	·230	1°9	20°0
	Lambeth - - -	{ August 1st, Cab Rank, St. George's-road, Southwark.	18°9	27°14	·250	·032	0	·159	·191	1°9	19°1
Outer Circle.	LEA.	August 1st,									
	New River - - -	{ Cab Rank, Tottenham Court-road.	17°9	29°96	·039	·017	0	·223	·245	2°0	20°9
	East London - - -	{ August 1st, Fire Brigade Station, Commercial-road, E.	18°5	28°68	·105	·020	0	·176	·196	2°0	21°2
	DEEP WELLS.	August 1st,									
	Kent - - - - -	{ Mill Lane, Deptford.	13°4	42°36	·024	·011	0	·531	·544	2°6	30°3
	Colne Valley - - -	{ August 9th, Bushey.	—	17°66	·070	·026	0·48	·479	·545	2°3	7°0
	Tottenham - - -	{ August 2nd, Tottenham.	—	40°60	·030	·014	·070	·008	·080	3°0	22°0
	Corporation of Birmingham* - - -	{ August 11th, 64, Nelson-street.	17°2	26°96	·127	·024	·001	·216	·271	2°0	13°2
	Corporation of Glasgow† - -	{ August 15th, Loch Katrine Water.	14°9	2°4	·100	·014	0	·003	·017	·75	·63
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 1st August, at the Horse Guards cab-rank, had a temperature of 18°·3 C.; 100,000 lbs. of it contained 23°02 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·175 lb. of carbon and ·033 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·125 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·158 lb. The above weight of water also contained 1°9 lbs. of chlorine; and 18°0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the week ending 6th September 1890.

CITIES AND BOROUGHES.	POPULATION estimated to the middle of the Year 1890.*	Registered during the Week ending 6th Sept., 1890.		Deaths of		The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.					RAINFALL.				
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhoid.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unrecorded Causes of Death.	From All Causes.	From Diseases in the Week preceding the Week of Deaths.	Mean.			In Inches.	In Centi- grades.			
																		Highest.	Lowest.	Fahrenheit.			Centigrade.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	
28 TOWNS	9,715,559	5599	3549	1177	639	-	83	61	29	82	46	425	126	231	633	57	19.0	3.9	77.7	35.0	56.6	13.67	0.23	0.58	
LONDON	4,421,661	2460	1514	453	301	-	56	18	16	46	19	128	54	98	391	11	17.9	3.3	77.7	37.1	58.4	14.67	0.00	0.00	
BRIGHTON	123,650	61	35	8	11	-	-	-	-	-	-	-	1	2	1	-	14.8	4.2	72.0	43.0	56.8	13.78	0.00	0.00	
PORTSMOUTH	142,952	93	66	22	10	-	-	-	-	1	3	18	1	2	10	1	24.1	8.8	73.0	41.5	57.2	14.00	0.00	0.00	
NORWICH	95,352	50	41	14	12	-	-	-	1	3	1	7	1	4	4	-	22.4	6.6	-	-	-	-	-	-	
PLYMOUTH	78,780	54	24	10	3	-	1	1	1	1	3	1	2	1	2	1	15.9	3.3	72.0	42.0	58.5	14.72	0.00	0.00	
BRISTOL	262,248	126	63	16	17	-	2	1	-	1	2	3	3	5	9	2	14.1	2.0	73.5	39.0	55.7	13.17	0.02	0.03	
WOLVERHAMPTON	83,406	58	45	20	7	-	1	-	-	-	7	-	3	5	9	-	28.1	5.0	70.7	35.0	54.9	12.72	0.00	0.00	
BIRMINGHAM	461,865	285	156	63	21	-	4	5	-	3	3	29	6	9	21	3	17.6	5.0	-	-	-	-	-	-	
LEICESTER	164,344	83	60	23	10	-	-	-	-	1	3	12	3	5	6	3	20.3	3.1	73.8	36.0	55.7	13.17	0.17	0.43	
NOTTINGHAM	244,969	127	64	25	8	-	1	-	-	1	2	16	3	3	6	1	13.6	4.3	73.8	36.0	55.7	13.17	-	-	
DERBY	100,871	53	30	10	7	-	1	-	1	2	1	4	1	2	3	1	15.5	3.1	-	-	-	-	-	-	
BIRMINGHAM	105,019	63	37	11	6	-	1	-	1	1	4	1	2	2	3	-	18.4	3.5	-	-	-	-	-	-	
LIVERPOOL	618,463	331	261	82	29	-	3	16	1	6	2	29	14	16	45	7	22.2	4.8	68.3	43.5	57.8	14.33	0.29	0.74	
BOLTON	115,816	74	49	14	11	-	-	1	-	-	7	-	-	1	9	1	22.1	3.6	-	-	-	-	-	-	
MANCHESTER	379,437	226	221	63	28	-	7	10	5	-	1	27	8	17	42	5	30.4	6.9	-	-	-	-	-	-	
SALFORD	242,509	143	104	31	20	-	2	2	1	1	2	10	4	7	15	3	22.4	3.7	-	-	-	-	-	-	
OLDHAM	146,716	81	41	15	8	-	-	-	-	1	-	6	-	4	1	3	14.6	2.5	-	-	-	-	-	-	
BLACKBURN	123,553	80	48	22	4	-	-	-	1	1	-	8	2	4	1	2	20.3	4.2	-	-	-	-	-	-	
PRESTON	105,163	61	51	19	10	-	-	-	2	2	2	13	2	2	2	1	25.3	8.4	-	-	-	-	-	-	
HUDDERSFIELD	94,253	41	23	2	5	-	-	-	-	3	1	1	1	1	2	1	12.7	2.8	-	-	-	-	-	-	
HALIFAX	82,034	38	30	4	6	-	-	-	-	1	-	1	-	-	3	3	19.1	1.3	-	-	-	-	-	-	
BRADFORD	240,515	124	65	20	11	-	3	-	-	-	-	5	1	4	4	1	14.1	1.7	68.4	41.0	56.0	13.33	0.46	1.17	
LEEDS	365,799	236	129	49	25	-	-	1	1	2	-	17	6	13	14	-	18.5	3.0	-	-	-	-	-	-	
SHEFFIELD	332,857	218	117	46	21	-	4	2	-	2	2	22	2	2	11	7	18.3	4.7	-	-	-	-	-	-	
HULL	213,853	130	90	41	18	-	1	-	-	2	-	18	2	4	8	2	21.9	5.1	72.0	36.0	55.6	13.11	0.24	0.61	
SUNDERLAND	186,506	87	65	27	12	-	1	-	-	1	4	3	3	8	2	-	24.8	2.3	69.0	41.0	57.2	14.00	0.72	1.83	
NEWCASTLE	162,987	120	69	31	10	-	-	-	-	3	1	6	1	1	5	8	1	22.1	3.2	67.0	38.0	55.5	13.06	0.87	2.21
CARDIFF	117,012	87	51	30	8	-	-	-	1	1	-	12	1	1	3	4	22.7	6.2	-	-	-	-	-	-	
EDINBURGH	271,135	126	84	25	23	-	-	2	-	4	-	4	4	4	21	9	16.2	1.5	69.8	38.0	57.8	14.33	0.45	1.14	
GLASGOW	580,208	361	220	56	33	-	7	4	2	12	5	5	8	3	39	26	21.6	3.4	68.0	36.8	57.8	14.33	1.38	3.51	
DUBLIN	385,062	169	130	26	38	-	1	-	-	4	-	6	3	3	38	13	19.2	1.6	69.4	37.7	58.9	14.94	0.30	0.76	

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-SIXTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2463	2513	2566	2494	2574	2330	2557	2619	2475	2373	2715·7	2469
Males . . .	1232	1281	1264	1214	1334	1164	1318	1324	1234	1215	1371·8	1268
Females . .	1231	1232	1302	1220	1240	1166	1239	1295	1241	1158	1343·9	1201
<b>TOTAL Deaths</b>	1391	1229	1322	1257	1529	1221	1312	1349	1316	1170	1428·1	1514
Males . . .	748	653	711	653	767	614	634	659	670	605	737·6	772
Females . .	643	576	611	604	762	607	628	690	646	565	690·5	742

\* The numbers in this column are the average weekly numbers in the thirty-sixth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.
<b>TOTAL Births</b>	2477	2516	2359	2480	2472	2346	2512	2557	2176	2527	2487	2614	2469
<b>TOTAL Deaths</b>	1375	1387	1346	1481	1471	1522	1418	1633	1594	1751	1629	1659	1514
<b>Ages at Death</b>													
{ 0-20 years	658	672	669	793	800	823	793	938	915	1019	964	911	796
{ 20-40 "	172	177	155	165	174	157	132	186	171	169	148	190	177
{ 40-60 "	229	239	254	239	214	249	227	232	225	263	233	265	240
{ 60-80 "	247	248	220	237	231	250	219	277	230	246	235	234	245
{ 80 years & upwards	69	51	48	47	52	43	47	50	53	54	49	59	56
<b>" { Under 1 year</b>	297	318	339	423	428	445	438	554	549	635	603	525	459
{ 1-5 "	267	262	256	281	281	277	232	236	294	294	292	232	247
{ 5-20 "	94	92	74	89	91	101	73	98	72	90	69	104	90
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
" " Measles	100	99	101	100	99	104	94	82	95	80	73	60	56
" " Scarlet fever	11	15	7	13	20	12	13	19	17	27	16	24	13
" " Diphtheria	24	19	24	21	22	19	20	36	22	15	20	26	16
" " Whooping-cough	59	66	52	57	65	56	62	45	37	39	39	39	46
" " Typhus	-	-	2	-	-	-	-	-	-	-	-	-	-
" " Enteric fever	11	6	9	6	9	6	2	11	11	16	11	17	13
" " Simple Cont <sup>a</sup> fever	1	1	-	2	-	1	-	1	1	1	-	-	1
" " Diarrhoea and Dysentery	15	24	51	85	107	111	107	177	176	262	255	180	123
" " Cholera	-	2	2	4	4	1	1	7	4	10	12	7	5
" " all the above- mentioned Diseases	221	232	248	283	327	310	299	378	363	450	426	353	288
" " Dis. of Respira- tory System	240	215	206	244	225	216	185	215	197	208	203	184	180
" " Phthisis	138	131	136	115	132	150	110	147	126	129	119	167	139
" " Dis. of Circula- tory System	122	120	99	105	108	117	107	118	119	113	116	100	120
<b>Violent Deaths</b>	36	54	49	55	40	49	56	73	50	75	54	57	54
<b>Inquest Cases</b>	87	86	99	97	100	113	111	134	103	123	105	105	93
<b>Deaths in Public Institutions</b>	327	314	299	311	321	347	333	405	373	403	343	364	391
<b>TEMPERATURE OF THE AIR</b>													
Mean	56·6	59·3	60·6	55·7	55·7	61·4	61·6	62·9	62·6	61·1	59·0	54·4	58·4
Mean of Highest readings	67·9	70·9	71·5	66·6	65·2	72·1	73·9	74·4	73·8	73·2	69·0	66·5	71·0
Mean of Lowest readings	48·1	49·8	52·5	48·6	48·4	54·3	52·6	53·9	53·2	54·6	51·8	46·0	43·4
<b>Humidity of the Air</b>	81	76	82	84	83	81	75	77	77	82	81	80	83
<b>Rain-fall in inches</b>	0·76	0·38	0·78	1·77	0·86	2·08	0·08	0·11	0·00	0·78	1·03	0·67	0·00
<b>Registered Sunshine (in hours)</b>	28·4	29·3	36·2	23·5	17·9	21·7	44·6	31·9	30·5	32·6	31·9	36·5	26·8

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-SIXTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 36th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 6th September 1890.										CAUSES OF DEATH.	Corrected Averages for the 36th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 6th September 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 and under 90.	90 and upwards.	ALL AGES.			Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 and upwards.			
			0-1.	1-5.	5-20.									0-1.	1-5.	5-20.							
ALL CAUSES - -	1428.1	1514	459	247	90	177	240	245	56		Diseases of Organs of Special Sense † - -	2.7	3	-	1	2	-	-	-	-	-	-	
Small-pox { Vaccinated † - -	1.3	-	-	-	-	-	-	-	-		Diseases of Circulatory System - - -	100.2	120	2	1	10	18	37	45	7			
{ Unvaccinated † - -	2.4	-	-	-	-	-	-	-	-		Croup - - -	10.9	10	1	7	2	-	-	-	-	-		
{ No Statement - - -	2.5	-	-	-	-	-	-	-	-		Bronchitis - - -	82.8	94	28	16	1	-	11	8	34	4		
Measles - - -	20.8	56	12	42	1	-	-	1	-		Pneumonia - - -	48.3	54	13	20	3	6	8	4	-	-		
Scarlet Fever - - -	34.7	18	1	11	6	-	-	-	-		Pleurisy - - -	4.0	5	-	-	1	-	3	1	-	-		
Typhus - - -	1.1	-	-	-	-	-	-	-	-		Other Diseases of Respiratory System - - -	19.4	17	3	2	-	2	3	5	2			
Relapsing Fever † - -	0.0	-	-	-	-	-	-	-	-		Dentition † - - -	9.1	7	2	5	-	-	-	-	-	-		
Infusua - - -	0.0	-	-	-	-	-	-	-	-		Quinsy, Sore Throat † - -	1.9	1	-	-	-	1	-	-	-	-		
Whooping-cough - -	33.6	48	21	22	3	-	-	-	-		Enteritis - - -	14.5	31	17	9	1	1	2	1	-	-		
Diphtheria - - -	19.7	16	1	9	6	-	-	-	-		Peritonitis - - -	7.3	4	-	-	3	1	-	-	-	-		
Simple Continued and Ill-defined Fever - -	1.5	1	-	-	-	-	1	-	-		Diseases of Liver - - -	39.1	26	-	-	-	6	14	6	-	-		
Enteric Fever - - -	18.0	18	-	2	5	10	1	-	-		Other Diseases of Digestive System - -	30.3	26	9	1	1	1	3	8	3			
Cholera and Chol. Diarr.	3.3	5	3	2	-	-	-	-	-		Diseases of Lymphatic System & of Ductless Glands † - -	1.7	-	-	-	-	-	-	-	-	-		
Diarrhœa, Dysentery -	129.0	128	89	29	1	-	4	3	2		Diseases of Urinary System - - -	32.9	80	-	2	1	5	11	8	3			
Remittent Fever † - -	0.8	-	-	-	-	-	-	-	-		Diseases of Generative System - - -	4.8	4	1	-	-	1	2	-	-	-		
Hydrophobia - - -	0.1	-	-	-	-	-	-	-	-		Accidents of Childbirth - -	3.2	6	-	-	-	6	-	-	-	-		
Glanders - - -	0.0	-	-	-	-	-	-	-	-		Diseases of Locomotive System † - - -	7.4	13	2	2	4	3	2	-	-	-		
Cowpox and Effects of Vaccination † - -	0.0	-	-	-	-	-	-	-	-		Diseases of Integumentary System - - -	4.8	9	1	1	-	1	1	3	2			
Veneral Affections -	14.0	17	14	-	-	1	1	1	-		VIOLENT DEATHS.‡												
Erysipelas - - -	4.9	3	1	-	-	1	1	-	-		(ACCIDENT.)												
Pyæmia and Septicæmia †	3.0	1	-	-	-	1	-	-	-		Fracture and Contusion - -	19.5	24	1	3	6	2	7	4	1			
Puerperal Fever - - -	3.6	6	-	-	-	5	1	-	-		Gunshot Wound - - -	0.0	1	-	-	-	1	-	-	-	-		
Other Zymotic Diseases †	1.9	2	1	1	-	-	-	-	-		Cut, Stab - - -	0.3	-	-	-	-	-	-	-	-	-		
Thrush - - -	3.6	3	3	-	-	-	-	-	-		Burn and Scald - - -	4.0	3	-	2	1	-	-	-	-	-		
Worms and other Parasitical Diseases - -	0.3	-	-	-	-	-	-	-	-		Poison - - -	0.9	1	-	-	1	-	-	-	-	-		
Starvation, Want of Breast-milk † - -	2.5	2	1	-	-	-	-	1	-		Drowning - - -	0.7	6	-	-	2	2	1	1	-	-		
Alcoholism - - -	4.9	12	-	-	-	2	9	1	-		Suffocation - - -	9.7	12	9	-	-	-	3	-	-	-		
Rheumatic Fever, Rheumatism of Heart †	6.4	9	-	1	1	3	3	1	-		Otherwise - - -	3.2	3	3	-	-	-	-	-	-	-		
Rheumatism † - - -	2.5	3	-	-	-	1	1	1	-		(HOMICIDE.)												
Gout - - -	3.8	4	-	-	-	-	-	4	-		Murder & Manslaughter - -	1.2	-	-	-	-	-	-	-	-	-		
Eickets † - - -	3.2	6	2	4	-	-	-	-	-		(SUICIDE.)												
Cancer - - -	52.5	63	-	-	1	6	25	27	4		Gunshot Wound - - -	0.7	2	-	-	-	3	-	-	-	-		
Tabs Mesenterica - -	41.3	49	33	9	2	2	1	1	-		Cut, Stab - - -	1.9	1	-	-	-	-	-	-	-	-		
Tubercular Meningitis -	25.3	20	9	10	1	-	-	-	-		Poison - - -	1.4	-	-	-	-	-	-	-	-	-		
Phthisis - - -	153.8	139	6	4	12	62	49	6	-		Drowning - - -	1.9	-	-	-	-	-	-	-	-	-		
Scrophula, Tuberculosis -	17.2	52	8	6	3	4	1	-	-		Hanging - - -	1.9	-	-	-	-	-	-	-	-	-		
Other Constitutional Diseases † - -	7.4	12	-	-	1	3	4	4	-		Otherwise - - -	0.7	1	-	-	-	1	-	-	-	-		
Premature Birth - - -	36.8	47	47	-	-	-	-	-	-		(EXECUTION.)												
Atelactasia † - - -	2.0	1	1	-	-	-	-	-	-		Hanging - - -	0.0	-	-	-	-	-	-	-	-	-		
Congenital Malformations - -	6.8	4	3	1	-	-	-	-	-		OTHER CAUSES † - -	64.7	73	64	4	-	1	1	1	2			
Old Age - - -	42.5	45	-	-	-	1	28	18	-														
Apoplexy - - -	39.5	44	-	-	-	5	13	20	6														
Epilepsy - - -	6.9	6	-	1	-	3	-	2	-														
Convulsions - - -	49.6	38	33	5	-	-	-	-	-														
Other Diseases of Brain and Nervous System †	74.3	82	14	13	9	8	13	24	2														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON. — POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DYPHThERIA, WHOOPING-COUGH, TYPHUS, ENTERIC (OR TYPHOID) FEVER, SIMPLE CONTINUED FEVER, DIARRHŒA, VIOLENCE, INQUEST CASES, and DEATHS IN PUBLIC INSTITUTIONS, during the Week ending

The DEATHS registered in the Week include																		
REGISTRATION SUB-DISTRICTS.		Enu- me- rated Popu- lation. 1881	Total Births.	Total Deaths.	Deaths of		Deaths from										Inquest Cases.	Deaths in Public Institutions.
					Infants under 1 Year of Age.	Persons aged 60 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.		
LONDON		3,815,701	2460	1514	459	301	-	56	18	16	46	-	18	1	128	54	93	39
WEST DISTRICTS		661,423	325	239	56	63	-	8	-	3	4	-	2	-	20	8	17	81
NORTH DISTRICTS		805,947	502	336	102	72	-	10	7	9	8	-	5	-	28	16	20	90
CENTRAL DISTRICTS		792,238	150	90	18	17	-	-	2	1	4	-	1	-	7	5	8	36
EAST DISTRICTS		601,738	497	323	106	55	-	11	2	1	7	-	6	-	28	12	31	79
SOUTH DISTRICTS		1,255,148	905	477	177	79	-	27	5	2	33	-	4	1	45	13	22	91
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON.		-	-	21	-	13	-	-	2	-	-	-	-	-	-	-	-	24
WEST DISTRICTS.																		
St. Mary Paddington WHH G.J. & W.M.		6088-	37	16	4	4	-	-	-	-	-	-	-	-	3	-	2	2
St. John Paddington H - - - G.J.		37430	8	14	2	3	-	-	-	1	-	-	-	-	-	2	2	7
Kensington Town W - - - W.M.		120141	75	48	9	15	-	1	-	-	-	-	1	-	-	-	1	17
Brompton H - - - W.M. & C.		43010	7	14	2	4	-	-	-	-	-	-	-	-	-	-	2	6
St. Peter Hammersmith - - - W.M.		7539	4	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H W.M. & G.J.		64340	33	43	13	9	-	2	-	1	1	-	-	-	6	1	1	5
Fulham W - - - W.M. & C.		42900	55	35	13	6	-	3	-	1	-	-	1	-	4	2	2	13
Chelsea South HHH - - - D.		30393	14	9	-	4	-	-	-	-	-	-	-	-	-	2	2	1
Chelsea North-west WHHHH C.		24925	15	21	3	10	-	-	-	-	-	-	-	-	1	-	2	16
Chelsea North-east C.		33407	18	6	1	3	-	-	-	-	-	-	-	-	-	-	-	-
May Fair W - - - G.J.		30553	9	10	-	3	-	-	-	-	2	-	-	-	-	-	1	4
Belgrave WHHH - - - C.		34720	14	18	1	4	-	1	-	-	-	-	-	-	1	1	1	9
St. John Westminster HHH - - C.		35445	19	7	4	1	-	-	-	1	-	-	-	-	1	-	-	1
St. Margaret Westminster H - C.		24479	5	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-
St. James Westminster WHH N.R. & G.J.		29441	7	5	2	-	-	1	-	-	-	-	-	-	-	-	-	-
St. Anne Soko HHHHH - - - N.R.		14648	5	2	-	1	-	-	-	-	-	-	-	-	-	-	1	-
NORTH DISTRICTS.																		
All Souls Marylebone HHHHH W.M.		24739	10	4	-	1	-	-	-	-	-	-	-	-	-	-	-	4
Arundell Square HHHH - - - W.M.		14481	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Rectory Marylebone WH G.J. & W.M.		24409	14	3	1	2	-	-	-	-	-	-	-	-	-	-	-	2
St. Mary Marylebone HHH G.J. & W.M.		21118	21	6	3	2	-	-	-	-	-	-	-	-	-	-	-	2
Christchurch Marylebone HHH - W.M.		33740	27	12	5	2	-	-	-	-	-	-	-	-	1	1	3	-
St. John Marylebone H - - - W.M.		34638	26	7	2	2	-	-	-	-	-	-	-	-	-	3	2	-
Hamstead WHHHH - N.R. & W.M.		45432	36	18	4	6	-	1	4	1	2	-	-	-	1	-	-	6
Regent's Park Panzer H - - - W.M.		29415	17	11	2	2	-	-	-	-	-	-	-	-	-	2	2	-
Tottenham-court WHHHH N.R. & W.M.		27729	18	13	2	3	-	-	-	2	-	-	-	-	1	-	2	10
Gray's Inn Lane HHH - - - N.R.		39447	17	7	1	1	-	-	-	-	-	-	-	-	2	3	3	2
Somers Town H - - - N.R.		34339	16	11	5	2	-	-	-	-	-	-	-	-	2	1	1	2
Camden Town WH - - - N.R.		17311	10	11	1	5	-	-	-	-	-	-	-	-	1	1	1	9
Kentish Town W - - - N.R.		47437	63	43	15	5	-	7	-	-	3	-	-	-	4	-	-	10
Upper Holloway WHHHH - - N.R.		67916	51	35	15	9	-	-	-	-	-	-	-	-	7	1	-	12
Islington South-west H - - - N.R.		109976	65	27	11	4	-	-	-	-	-	-	-	-	5	1	1	-
Islington South-east - - - N.R.		61435	36	20	7	7	-	-	-	1	-	-	-	-	3	1	1	-
Highbury H - - - N.R.		32048	31	13	6	6	-	-	-	-	-	-	-	-	1	1	-	-
Stoke Newington H - - - N.R.		72741	16	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill - - - E.L.		9477	12	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - - - N.R.		27610	22	12	4	2	-	-	-	-	-	-	-	-	1	1	-	-
Hackney Wagon H - - - E.L. & N.R.		74911	32	65	12	7	-	1	2	6	3	-	5	-	4	3	8	32
South Hackney - - - E.L.		39485	30	10	5	1	-	1	-	-	-	-	-	-	1	1	2	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury - - - N.R.		16681	9	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WE - - - N.R.		14884	7	3	1	1	-	-	-	-	-	-	-	-	-	1	2	2
St. Giles North E - - - N.R.		18637	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Martin-in-the-Field HHH N.R. & C.		17506	8	4	1	1	-	-	-	-	-	-	-	-	-	-	1	3
St. Mary-le-Strand H - - - N.R.		7515	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H - - - N.R.		8559	1	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Strand Union Workhouse, Edmonton w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Geo.-the-Martyr WHHHHH N.R.		16671	10	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Eastern W - - - N.R.		16706	6	7	1	-	-	-	1	-	2	-	-	-	-	-	-	5
Saffron Hill H - - - N.R.		6533	4	2	-	2	-	-	-	-	-	-	-	-	1	-	1	-
St. James Clerkenwell - - - N.R.		17516	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - - - N.R.		19281	13	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Pentonville - - - N.R.		14773	9	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Goswell-street - - - N.R.		17506	7	4	2	-	-	-	-	1	-	1	-	-	3	-	-	-
Old-street H - - - N.R.		11541	4	3	1	-	-	-	-	-	-	-	1	-	-	-	-	-
City-road HHH - - - N.R.		16438	23	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitecross-street - - - N.R.		9217	7	3	1	1	-	-	-	-	-	-	-	-	-	-	1	3
Finsbury - - - N.R.		7443	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Belborn Union Workhouse, Aldgate w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
St. Botolph H - - - N.R. & E.L.		11174	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - - N.R.		7193	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - - N.R.		5553	-	17	1	2	-	-	-	1	1	-	-	-	-	-	-	-
St. Bride W - - - N.R.		8396	3	-	-	-	-	-	-	-	-	-	-	-	1	3	3	17
Allhallows Barking - - - N.R.		13666	2	5	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - - - N.R.		4652	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; E—Lunatic Asylum; L—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J., e.g., the Grand Junction Company; W. M., West Middlesex; C., Chelsea; S., Southwark and Vauxhall; L., Lambeth; N. R., North River; E. L., East London; and K., the Kent Company.





TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS) AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 6th September, 1901.

Regis- tration District and Sub- District Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- mer- ated Popu- lation, 1891.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diar- rhoea.	Violence.	Inquest Cases.	Deaths in Public institutions.
LONDON - OUTER RING		370,924	950,957	807	370	121	81	-	9	4	9	13	9	53	10	19	20
30:1	Carehalton <i>wL</i> -	12228	21118	14	7	1	3	-	-	-	-	-	-	-	1	1	-
2	Epsom (part of)* <i>WwH</i> -	9971	10710	5	-	-	-	-	-	-	-	-	-	-	-	-	-
37:1	Godstone (part of)* -	2754	1235	2	1	-	1	-	-	-	-	-	-	-	-	-	-
38:1	Croydon <i>Ww L</i> -	20551	101241	68	28	7	9	-	1	1	-	1	-	3	1	3	4
2	Mitcham <i>w</i> -	11697	17332	12	1	-	1	-	-	-	-	-	-	-	-	-	-
39:1	Wimbledon <i>HHH</i> -	3220	15950	11	5	1	-	-	1	-	-	-	-	-	1	1	-
2	Kingston <i>WHH</i> -	5549	36354	26	14	7	3	-	-	-	1	-	-	2	-	-	1
3	Esher (part of)* -	5601	9221	10	4	-	3	-	-	-	-	-	-	-	-	1	-
4	Hampton <i>H</i> -	4573	13539	13	5	1	3	-	-	-	-	-	-	1	1	1	-
40:1	Richmond <i>WH</i> -	2272	21302	12	8	-	4	-	-	-	-	-	1	-	1	1	3
2	Mortlake -	2941	12331	2	3	2	-	-	-	-	-	-	-	1	-	-	-
41:1	Bromley (pt. of)* <i>HH</i> -	15669	31142	30	9	5	-	-	1	-	-	-	-	1	-	-	-
2	Chislehurst (pt. of)* <i>WHH</i> -	14307	15344	17	5	1	2	-	-	-	-	-	-	-	-	-	-
42:1	Bexley <i>H</i> -	13437	24134	15	3	1	-	-	-	-	-	-	-	-	-	-	-
2	Dartford (Ww, pts. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury <i>w</i> -	11055	11685	6	3	-	1	-	-	-	-	-	-	-	-	-	-
2	Staines <i>W</i> -	13277	12089	11	-	-	-	-	-	-	-	-	-	-	-	-	-
125:1	Hillingdon <i>WHH</i> -	6029	10802	12	1	-	1	-	-	-	-	-	-	-	-	-	-
2	Uxbridge -	6178	3225	1	2	-	2	-	-	-	-	-	-	-	-	-	-
3	Hayes <i>wHL</i> -	14537	11523	8	2	-	-	-	-	-	-	1	-	-	-	-	-
126:1	Isleworth <i>WHH</i> -	7008	22237	15	11	4	1	-	2	-	-	1	-	1	-	-	1
2	Twickenham <i>H</i> -	2477	12179	2	1	-	1	-	-	-	-	-	-	-	-	-	-
3	Brentford <i>HL</i> -	4345	37649	21	14	5	2	-	-	-	2	-	-	3	-	1	1
4	Chiswick -	1340	15975	10	3	1	-	-	-	-	-	-	-	-	-	-	-
5	Acton <i>wH</i> -	6083	22376	15	12	5	1	-	1	-	-	-	-	4	-	-	-
127:1	Harrow <i>H</i> -	13809	12798	8	5	2	2	-	-	-	-	1	-	1	-	1	-
2	Edgware <i>H</i> -	6994	3749	-	2	-	2	-	-	-	-	-	-	-	-	1	-
3	Willesden -	4283	27453	27	15	8	-	-	-	-	-	1	1	4	1	1	-
4	Hendon <i>W</i> -	5382	10484	2	5	4	-	-	-	-	-	-	-	2	-	-	-
137:1	Bushey -	3331	6621	5	1	-	1	-	-	-	-	-	-	1	-	-	-
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138:1	South Mims -	15539	6391	4	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Barnet -	5433	10092	5	2	-	2	-	-	-	-	-	-	-	-	-	2
3	Finchley <i>HL</i> -	4688	17615	18	7	2	1	-	1	-	1	-	-	-	-	-	-
139:1	Hatfield (part of)* -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140:1	Hornsey <i>H</i> -	3039	37078	28	7	-	4	-	-	1	1	-	-	1	-	1	-
2	Tottenham <i>H</i> -	4642	46456	58	29	14	3	-	-	-	-	2	-	2	-	1	2
3	Edmonton <i>Ww</i> -	7458	23483	23	15	5	4	-	1	-	-	1	1	2	1	1	1
4	Enfield <i>WH</i> -	12653	19104	32	11	3	1	-	-	-	-	1	-	5	-	-	1
5	Waltham Abbey -	11017	5363	7	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt -	3480	7735	5	6	1	2	-	1	-	-	-	1	1	-	-	-
146:1	Stratford -	382	38006	36	10	5	5	-	-	1	1	-	-	3	-	-	-
2	West Ham <i>wvH</i> -	4055	90847	103	46	15	6	-	-	-	-	3	3	2	1	1	-
3	East Ham <i>wv</i> -	3296	10706	14	8	2	4	-	-	-	-	-	-	1	-	-	-
4	Leyton <i>WwL</i> -	4372	32480	32	20	9	4	-	-	-	-	-	1	6	1	1	3
5	Walthamstow <i>H</i> -	6520	28869	35	21	11	1	-	1	-	2	-	-	5	1	2	1
147:1	Chigwell (part of)* <i>H</i> -	11761	9643	3	2	-	-	-	-	-	1	-	-	-	-	-	-
2	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
149:1	Romford (part of)* <i>W</i> -	6730	3411	6	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Ilford -	3493	7645	7	5	1	1	-	-	-	-	1	-	-	-	-	-
3	Barking Town -	4127	3203	15	2	1	-	-	-	-	-	-	-	1	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 29: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37: 1, the parishes of Warrington and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cudham and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 135: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

**TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 6th September, 1890.**

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include														
			From All Causes.	From Diseases in Cols. 3 & 4.		Deaths of		Deaths from												Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 40 Years and upward.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.					
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.				
GREATER LONDON	448,334	5,758,500	17.1	3.4	1884	583	332	-	65	22	25	59	28	181	64	411				
INNER LONDON -	77,410	4,421,661	17.9	3.3	1514	459	301	-	56	18	16	43	19	123	54	391				
OUTER RING -	370,924	1,336,839	14.4	3.8	370	124	81	-	9	4	9	13	9	53	10	20				

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700,522 square miles, which is equivalent to the area of a circle having a radius of 14,933 miles.

**TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.**

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
ALCUTTA . .	433,219	July 19	-	184	22.1	1	-	-	1	-	54	34†	
OMBAY . .	773,196	" August 12	263	395	21.6	2	-	-	-	1	67	20†	
MADRAS . .	398,777	July 11	387	335	22.1	1	5	-	-	-	127	31†	
PARIS . .	2,260,945	August 30	175	806	43.6	-	-	-	-	-	83	51	
BRUSSELS . .	477,288	" 30	209	221	18.5	-	15	3	21*	4	11	143	
(th 8 Faubourgs.)					24.1	-	4	-	-	2	3	62	
AMSTERDAM .	406,302	" 30	-	-	-	-	-	-	-	-	-	-	
ROTTERDAM .	203,486	" 30	-	-	-	-	-	-	-	-	-	-	
THE HAGUE .	156,497	" 30	-	-	-	-	-	-	-	-	-	-	
COPENHAGEN .	312,387	" 30	195	105	-	-	6	-	2	3	-	14	
STOCKHOLM .	236,350	" 23	97	85	17.5	-	-	5	3*	3	-	20	
CHRISTIANIA .	143,300	" 30	64	54	18.7	-	-	1	5	-	-	12	
S. PETERSBURG	842,000	" 23	-	369	19.6	1	5	13	8	3	8	87	
BERLIN . .	1,526,887	" 16	924	844	22.8	-	9	6	16	19	-	331	
HAMBURG (State)	675,276	" 23	411	247	23.4	-	6	-	8*	3	2	53	
DRESDEN . .	269,250	" 23	186	182	35.2	-	1	1	3*	2	2	51	
BRISLAU . .	324,400	" 30	233	222	35.7	-	-	2	8*	4	1	82	
MUNICH . .	298,000	" 30	-	189	29.6	-	3	2	6*	4	1	27	
PRAGUE . .	822,176	" 30	477	322	20.4	-	2	1	3	2	-	67	
PRAGUE . .	314,425	" 30	-	134	22.2	-	4	-	4	1	-	9	
BUENOS AIRES	463,017	" 23	339	255	22.2	-	-	3	13	1	-	58	
BRISTOL . .	160,092	" 30	100	66	21.4	-	-	-	-	-	1	12	
ROME . .	418,217	" 19	210	194	25.0	-	5	-	4	1	11†	35	
PARIS (11 days)	314,827	July 31	268	185	19.4	2	-	-	-	-	3	46	
PARIS . .	156,515	August 16	94	90	30.0	12	2	-	-	-	2	12	
CAIRO . .	374,838	" 7	398	340	47.2	1	-	-	1	2	26	126	
ALEXANDRIA .	231,396	" 7	184	169	38.0	-	1	-	1	1	11	33	
NEW YORK . .	1,617,997	" 16	-	782	23.3	-	9	5	12	15	10	137	
BROOKLYN . .	859,612	" 16	-	386	23.1	-	1	2	12	10	1	71	
PHILADELPHIA .	1,064,277	" 16	-	337	16.5	-	-	2	2	16	14	46	
BALTIMORE . .	500,343	" 16	-	175	18.2	-	1	-	2	5	4	22	
NEW ORLEANS .	254,000	August 9	-	120	24.7	-	-	-	1	1	2	12	

\* Including deaths from croup.

† Including 6 and 3 deaths respectively from cholera in Calcutta, and 2 in Bombay.

‡ Including 8 deaths from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 6th SEPTEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										TEMPERATURE.										Wind as deduced from Anemometers.										Rain collected
Phases of the Moon.	BARI-METER.	Of the Air.					Difference between the Air Temperature and Dew Point Temperature.					Degree of Radiation (Scale 100).					Of the Water of the Thames at Deptford.		Oster's.			Robinson's.			Gauge whose surface is above the Ground.							
		Mean daily reading (corrected for wind and refraction) in Fahrenheit.	High. est.	Low. est.	Daily Range.	Mean daily value.	Departure from average daily value.	Mean daily value.	Mean Great. est. value.	Least.	High. est. in Sun's Rays.	Lowest est. in Grass.	High. est. on the Grass.	Low. est.	General Direction.	P. M.	Grat. est.	Pressure on the Square Foot.	Mean of 24 hours.	Horizontal Movement of the Air on each day.	Average of the Air on each day.	10 Years.										
AUGUST.	31	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.									
31	..	30.068	63.3	39.1	24.2	50.7	— 9.6	43.5	19.1	0.0	76	122.0	34.0	69.1	59.2	Calm & N.	N. & NE.	0.5	0.0	176	— 71	0.00										
1	In Equinox.	30.135	69.8	37.1	32.7	53.8	— 6.3	44.1	23.2	0.0	70	126.1	31.5	53.4	53.8	Calm & S.W.	SW. & SSW.	0.4	0.0	187	— 93	0.00										
2	..	30.068	71.1	49.0	22.1	58.2	— 1.8	52.1	18.7	0.0	80	130.3	41.7	59.8	59.0	SSW. & S.W.	WSW. & S.W.	1.1	0.0	248	— 8	0.00										
3	..	30.051	72.7	52.0	20.7	60.2	+ 0.4	56.8	14.9	0.0	89	135.2	44.8	60.4	59.6	SW.	WSW.	0.9	0.0	255	— 3	0.00										
4	..	30.135	69.1	54.7	14.4	60.4	+ 0.7	57.6	10.4	0.0	90	83.9	48.8	61.0	69.0	WSW. & W.	WNW. & WSW.	0.0	0.0	180	— 81	0.00										
5	..	30.109	77.7	53.3	24.4	63.4	+ 3.9	57.7	19.4	0.0	82	122.2	46.6	61.1	59.9	WSW.	W. NW. & N.	0.0	0.0	121	— 143	0.00										
6	Last Qu.	30.211	78.1	53.8	19.3	61.9	+ 2.6	59.5	11.7	0.0	92	108.6	44.0	61.4	60.6	Calm & N.	N. NE. & ESE.	0.0	0.0	120	— 146	0.00										
MEANS	..	30.115	71.0	48.4	22.5	58.4	— 1.4	53.0	16.8	0.0	83	118.9	41.6	60.5	59.6	SW. & N.		..	..	Sum 1257.	Sum — 551	0.00										
No. of Col.	8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27							

DATE.	AUGUST.	ELECTRICITY.		Registered Sun above		GENERAL REMARKS.	
		(For explanation of symbols, see Note.)	(Sunshine, in hours.)	(Horizon, in hours.)	(In hours.)		
SUNDAY	31	W. P. till evening; m. P. at night.	8.8	13.6	13.6	Very fine; cloudless in early morning; small amounts of light cloud till evening; cloudless at night.	
MONDAY	1	V. P. in morning; w. P. afterwards.	9.0	13.5	13.5	Cloudless in morning; very fine till afternoon; cloudy afterwards.	
TUESDAY	2	W. P. . . . .	3.4	13.4	13.4	Fine, and partially cloudy till 3h. P.M.; overcast afterwards; occasional thin rain in afternoon.	
WEDNESDAY	3	W. P. throughout	1.2	13.4	13.4	Cloudy.	
THURSDAY	4	W. P. generally	0.0	13.3	13.3	Overcast till evening; variable at night.	
FRIDAY	5	W. P.	3.2	13.2	13.2	Fine; partially cloudy.	
SATURDAY	6	W. P.	1.2	13.2	13.2	Fine till 4h. A.M.; generally cloudy afterwards; foggy between 5h. A.M. and 8h. A.M.	
MEANS			Sum 29.8	Sum 66.6	Sum 66.6		
No. of Col.			50	50	50		

The height of the cistern of the barometer is 169 feet above the mean level of the sea; n correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and — "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Office Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: — K, positive; N, negative; w, weak; m, moderate; s, strong; v, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the approximate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.93 in. at the beginning of the week to 30.17 in. by 3h. A.M. on the 1st of September; decreased to 29.95 in. by 3h. P.M. on the 3rd; and increased to 30.26 in. by the end of the week.

# WEEKLY RETURN

OF

## BIRTHS AND DEATHS IN LONDON

AND IN

### TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationery Office,*  
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No. 37. 1890. VOL. LI.] WEEK ENDING SATURDAY, SEPTEMBER 13. [Price 1½d.

General Register Office, Somerset House,  
15th September, 1890.

#### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18·6 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.		Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.
Birkenhead	14·4	19·9	18·4	19·9	Liverpool - -	25·2	25·5	22·2	22·8
Birmingham	24·6	21·7	17·6	21·2	London - -	19·2	19·6	17·9	16·6
Blackburn -	21·1	15·2	20·3	15·6	Manchester -	26·8	27·6	30·4	25·4
Bolton -	24·8	22·5	22·1	20·3	Newcastle-on-Tyne	29·4	35·2	22·1	21·8
Bradford -	16·9	18·6	14·1	13·2	Norwich -	24·6	20·8	22·4	17·0
Brighton -	21·9	19·8	14·8	19·4	Nottingham -	15·3	12·6	13·6	13·4
Bristol -	13·0	11·2	14·1	15·9	Oldham -	16·3	16·3	14·6	22·4
Cardiff -	20·9	29·4	22·7	19·6	Plymouth -	18·5	17·2	15·9	27·8
Derby -	23·3	16·0	15·5	19·6	Portsmouth -	19·3	20·1	24·1	19·3
Halifax -	15·3	13·3	19·1	17·2	Preston -	31·7	29·7	25·3	23·3
Huddersfield	22·7	17·1	12·7	22·7	Salford -	27·5	23·7	22·4	19·6
Hull -	22·7	20·7	21·9	19·0	Sheffield -	27·6	28·2	18·3	23·5
Leeds -	20·4	18·3	18·5	17·5	Sunderland -	24·4	22·5	24·8	21·8
Leicester -	17·9	20·9	20·3	20·9	Wolverhampton -	20·6	18·1	28·1	21·3

The highest annual death-rates, measured by last week's mortality, were :—from *measles*, 1·0 in Birkenhead and 1·5 in Preston; from *scarlet fever*, 1·1 in Manchester and in Sheffield, and 1·2 in Liverpool; from *whooping-cough*, 1·0 in Preston and 1·6 in Norwich; from "*fever*," 1·0 in Birkenhead; and from *diarrhœa*, 3·2 in Manchester, 3·4 in Brighton, 3·8 in Sunderland, and 5·9 in Preston. The 30 deaths from *diphtheria* included 18 in London, 5 in Salford, and 3 in Manchester. No death from *small-pox* was registered in any of the twenty-eight towns.

#### LONDON.

In LONDON 2539 BIRTHS and 1410 DEATHS were registered. Allowing for increase of population, the births were 182, and the deaths 3, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19·6 and 17·9 in the previous two weeks, further declined last week to 16·6. During the past eleven weeks of the current quarter the death-rate averaged 18·4 per 1000, being 0·9 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

The 1410 deaths included 39 from measles, 18 from scarlet fever, 18 from diphtheria, 35 from whooping-cough, one from typhus, 18 from enteric fever, 117

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881: nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



from diarrhœa and dysentery, 5 from cholera and choleraic diarrhœa, and not one from small-pox or from ill-defined forms of continued fever; thus, 251 deaths were referred to these diseases, exceeding by 6 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being .5; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The 39 deaths from *measles* showed a further considerable decline from recent weekly numbers, but were still more than double the corrected average. The fatal cases of *scarlet fever*, which had been 24 and 18 in the preceding two weeks, were again 18 last week, being 19 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1539 scarlet-fever patients at the end of last week, the numbers on the preceding three Saturdays having been 1427, 1464, and 1503; 210 cases were admitted during the week, against numbers increasing from 118 to 206 in the preceding five weeks. The 18 deaths from *diphtheria* were slightly in excess of the number in the previous week, but were 4 below the corrected average. The deaths from *whooping-cough*, which had been 39 and 46 in the previous two weeks, declined again last week to 35, but exceeded the corrected average by 5. The 117 deaths attributed to *diarrhœa* showed a further decline from recent weekly numbers, though they were 8 in excess of the corrected average; 113 were of children under five years of age. Five deaths from *cholera* or *choleraic diarrhœa* were returned, of which 3 were stated to be from *infantile cholera*, and 2 from *choleraic diarrhœa*.

The deaths from *enteric fever*, which had been 17 and 18 in the previous two weeks, were again 18 last week, being one below the corrected average. The Metropolitan Asylum Hospitals contained 125 cases of enteric fever, and one of typhus, on Saturday last; 25 cases of enteric fever were admitted during the week, against numbers rising from 11 to 36 in the preceding five weeks. The death of a female, aged 10 years, occurred in Toulmin Street, in the sanitary area of St. George, Southwark, the cause of which was certified to have been *typhus*.

The deaths referred to diseases of the respiratory organs numbered 210, exceeding the corrected average by 31, and the number in the previous week by 30.

Different forms of violence caused 55 deaths, concerning all but one of which inquests were held. Of these 55 deaths, 10 were cases of suicide, and one of murder, while the remaining 44 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 6 by burns or scalds, one by poison, 7 by drowning, and 11 (including 9 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3306 births and 1741 deaths were registered, corresponding to annual rates of 29.9 and 15.8 per 1000 of the estimated population. In the Outer Ring 24 deaths were referred to diarrhœa, 8 to whooping-cough, 7 to measles, 7 to diphtheria, and 5 to "fever." The deaths from diarrhœa included 9 in the district of West Ham and 3 in the sub-district of Croydon. Of the 7 deaths from diphtheria, 3 occurred in the sub-district of Leyton; and of the 5 deaths from "fever," 2 occurred in the sub-district of Leyton and 2 in that of Walthamstow.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 30.12 ins.; the highest reading was 30.30 ins. on Sunday morning, and the lowest 29.96 ins. on Wednesday afternoon. The mean temperature of the *air* was 59°.4, and 1°.1 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday, and on Friday and Saturday, while it showed an excess on the other days of the week. The direction of the *wind* was variable, and the horizontal movement of the *air* averaged 5.6 miles per hour, which was 5.9 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 48.6 hours, against 53.7 hours at Glynde Place, Lewes.

TABLE 2.—BIRTHS, DEATHS, AND METEOROLOGY in 25 GREAT TOWNS, during the Week ending 13th September 1890.

CITIES AND BOROUGHs.	POPULATION estimated at the middle of the year 1890.*	Registered during the Week ending 13th Sept., 1890.		The Deaths registered in the Week include												TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGHs.			
		BIRTHS.	DEATHS.	Deaths of Persons aged 60 Years and upwards.		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhoid.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Causes.	From Diseases in Cols. 6-12.	Highest.		Mean.		Congi- fugate.	In Inches.	In Centi- metres.
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.														Lowest.	Fahrenheit.					
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.
28 TOWNS	9,715,559	5703	3462	1036	693	-	70	68	30	68	47	316	114	235	645	67	18.6	3.2	77.5	41.0	58.4	14.67	0.00	0.00	- 28 TOWNS.
LONDON	4,421,661	2589	1410	395	302	-	39	18	18	35	19	117	55	109	360	13	16.6	2.9	77.5	46.7	59.4	15.22	0.00	0.00	LONDON.
BRIGHTON	123,659	58	46	13	13	-	-	1	-	1	-	8	1	3	2	1	19.4	4.2	67.0	52.5	58.9	14.04	0.00	0.00	BRIGHTON.
PORTSMOUTH	142,952	109	63	19	12	-	-	1	1	-	1	7	1	5	7	-	19.3	3.6	71.5	47.0	58.0	14.44	0.00	0.00	PORTSMOUTH.
NORWICH	95,352	69	31	15	3	-	-	-	-	3	-	5	1	2	3	-	17.0	4.4	-	-	-	-	-	-	NORWICH.
PLYMOUTH	78,780	65	42	7	14	-	-	-	-	1	-	3	3	4	8	-	27.8	2.6	74.5	52.0	61.4	16.33	0.00	0.00	PLYMOUTH.
BRISTOL	282,243	118	71	15	21	-	1	-	-	-	1	5	2	2	15	2	15.9	1.6	70.2	44.0	57.6	14.22	0.00	0.00	BRISTOL.
WOLVERHAMPTON	83,406	66	34	13	5	-	-	-	-	-	-	4	-	-	-	-	21.3	2.5	72.4	45.3	56.7	13.72	0.00	0.00	WOLVERHAMPTON.
BIRMINGHAM	461,865	244	188	59	32	-	3	6	-	7	2	23	8	14	34	2	21.2	4.6	-	-	-	-	-	-	BIRMINGHAM.
LEICESTER	154,344	101	62	17	18	-	1	1	-	-	1	3	3	9	8	1	20.9	2.0	-	-	-	-	-	-	LEICESTER.
NOTTINGHAM	244,969	118	63	18	17	-	1	1	-	3	1	3	2	4	9	2	13.4	1.9	76.0	42.1	57.8	14.38	0.00	0.00	NOTTINGHAM.
DERBY	100,871	35	38	4	9	-	-	-	1	-	1	1	1	3	9	1	19.6	1.6	-	-	-	-	-	-	DERBY.
BIRKENHEAD	105,049	59	40	18	6	-	2	-	-	-	2	5	3	-	1	4	19.9	3.5	-	-	-	-	-	-	BIRKENHEAD.
LIVERPOOL	613,463	343	208	78	31	-	3	14	1	2	5	23	15	20	59	12	22.8	4.1	76.6	48.4	58.8	14.89	0.02	0.05	LIVERPOOL.
BOLTON	115,846	66	45	10	16	-	-	-	1	1	-	2	1	3	6	-	20.3	1.8	-	-	-	-	-	-	BOLTON.
MANCHESTER	379,437	231	185	59	24	-	5	8	3	1	4	23	3	13	42	4	25.4	6.0	-	-	-	-	-	-	MANCHESTER.
SALFORD	242,609	125	91	31	14	-	1	2	5	1	2	6	3	3	8	9	19.6	3.7	-	-	-	-	-	-	SALFORD.
OLDHAM	146,716	89	63	20	14	-	2	1	-	2	-	2	1	2	11	3	22.4	2.5	-	-	-	-	-	-	OLDHAM.
BLACKBURN	123,565	89	37	8	3	-	-	1	-	-	-	2	2	1	3	-	15.6	2.1	-	-	-	-	-	-	BLACKBURN.
PRESTON	105,163	83	47	19	4	-	3	-	-	2	1	12	2	2	2	2	23.3	3.9	-	-	-	-	-	-	PRESTON.
HUDDERSFIELD	94,253	42	41	16	13	-	-	-	-	1	-	2	2	2	4	6	22.7	1.7	-	-	-	-	-	-	HUDDERSFIELD.
HALIFAX	82,054	48	27	5	8	-	-	-	-	-	-	1	1	2	1	1	17.2	0.6	-	-	-	-	-	-	HALIFAX.
BRADFORD	240,515	115	61	16	17	-	3	2	-	1	-	6	1	4	3	-	13.2	2.6	76.4	46.2	59.9	15.50	0.00	0.00	BRADFORD.
LEEDS	365,799	237	122	37	25	-	2	3	-	1	3	10	6	12	15	-	17.5	2.7	-	-	-	-	-	-	LEEDS.
SHEFFIELD	332,837	198	150	47	28	-	4	7	-	3	-	14	1	1	1	7	23.5	4.4	-	-	-	-	-	-	SHEFFIELD.
HULL	212,853	140	78	2	10	-	-	-	-	-	1	9	-	4	5	2	19.0	2.4	75.0	41.0	56.3	13.50	0.00	0.00	HULL.
SUNDERLAND	136,506	99	57	20	11	-	-	-	-	1	1	10	-	2	4	1	21.8	4.6	-	-	-	-	-	-	SUNDERLAND.
NEWCASTLE	162,987	118	68	27	18	-	-	1	-	2	-	6	-	3	7	6	21.8	2.9	73.0	48.0	57.7	14.28	0.00	0.00	NEWCASTLE.
CARDIFF	117,012	99	44	18	5	-	-	-	-	-	-	6	1	5	3	-	19.6	3.1	-	-	-	-	-	-	CARDIFF.
EDINBURGH	271,135	121	91	18	16	-	1	2	3	4	-	4	8	8	8	6	17.5	2.7	-	-	-	-	-	-	EDINBURGH.
GLASGOW	580,208	359	217	57	27	-	4	3	3	14	3	14	14	14	32	23	21.3	4.0	-	-	-	-	-	-	GLASGOW.
DUBLIN	386,083	178	117	27	29	-	1	-	-	1	2	11	4	5	32	13	17.3	2.2	73.6	47.1	59.3	15.17	0.01	0.03	DUBLIN.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-SEVENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2382	2493	2430	2483	2604	2542	2589	2506	2438	2432	2721.1	2539
Males . .	1213	1245	1248	1256	1340	1330	1284	1283	1270	1279	1390.1	1258
Females .	1169	1248	1182	1232	1264	1212	1305	1223	1218	1153	1331.0	1281
<b>TOTAL Deaths</b>	1438	1151	1269	1260	1373	1231	1403	1266	1330	1236	1412.9	1410
Males . .	764	580	634	661	686	633	724	658	664	652	725.8	736
Females .	674	571	635	599	637	598	679	608	666	584	687.1	674

\* The numbers in this column are the average weekly numbers in the thirty-seventh weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.
<b>TOTAL Births</b>	2516	2359	2480	2472	2346	2512	2557	2176	2527	2487	2614	2469	2539
<b>TOTAL Deaths</b>	1387	1346	1481	1471	1522	1418	1633	1594	1751	1629	1659	1514	1410
<b>Deaths at</b>													
{ 0-20 years	672	669	793	800	823	793	938	915	1019	964	911	796	687
{ 20-40 "	177	155	165	174	157	132	186	171	169	148	190	177	183
{ 40-60 "	239	254	239	214	249	227	232	225	263	233	265	240	238
{ 60-80 "	289	280	237	231	250	219	277	230	246	255	234	245	256
{ 80 years & upwards	51	48	47	52	43	47	50	53	54	49	59	56	46
<b>"</b>													
{ Under 1 year	318	339	423	428	445	438	554	549	635	603	525	459	395
{ 1-5 "	262	256	281	281	277	282	286	294	294	292	282	247	217
{ 5-20 "	92	74	89	91	101	73	98	72	90	69	104	90	75
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
" " Measles	99	101	100	99	104	94	82	95	80	73	60	56	39
" " Scarlet fever	15	7	13	20	12	13	19	17	27	16	24	18	18
" " Diphtheria	19	24	21	22	19	20	36	22	15	20	26	16	18
" " Whooping-cough	66	52	57	66	56	62	45	37	39	39	39	46	35
" " Typhus	-	2	-	-	-	-	-	-	-	-	-	-	1
" " Enteric fever	6	9	6	9	6	2	11	11	16	11	17	18	18
" " Simple Cont <sup>d</sup> fever	1	-	2	-	1	-	1	1	1	-	-	1	-
" " Diarrhoea and	24	51	85	107	111	107	177	176	262	255	180	128	117
" " Dysentery	-	-	-	-	-	-	-	-	-	-	-	-	-
" " Cholera	2	2	4	4	1	1	7	4	10	12	7	5	5
" " all the above-mentioned Diseases	232	248	288	327	310	299	378	363	450	426	353	288	251
" " Dis. of Respira- tory System	215	206	244	225	216	185	215	197	208	203	184	180	210
" " Phthisis	131	136	115	132	150	110	147	126	129	119	167	139	136
" " Dis. of Circula- tory System	120	99	105	108	117	107	118	119	113	116	100	120	114
<b>Violent Deaths</b>	54	49	55	40	49	56	73	50	75	54	57	54	55
<b>Inquest Cases</b>	86	99	97	100	113	111	134	103	128	105	105	98	109
<b>Deaths in Public Institutions</b>	314	299	311	321	347	333	405	373	403	343	364	391	360
<b>TEMPERATURE OF THE AIR</b>													
Mean	59.3	60.6	55.7	55.7	61.4	61.6	62.9	62.6	61.1	59.0	54.4	58.4	59.4
Mean of Highest readings	70.9	71.5	66.6	65.2	72.1	73.9	74.4	73.8	73.2	69.0	66.5	71.0	73.2
Mean of Lowest readings	49.8	52.5	48.6	48.4	54.3	52.6	53.9	53.2	54.6	51.8	46.0	48.4	48.2
<b>Humidity of the Air</b>	76	82	84	83	81	75	77	77	82	81	80	83	79
<b>Rain-fall in inches</b>	0.38	0.78	1.77	0.86	2.08	0.08	0.11	0.00	0.78	1.00	0.67	0.00	0.00
<b>Registered Sunshine (in hours)</b>	29.3	36.2	23.5	17.9	21.7	44.6	31.9	30.5	32.6	31.9	36.5	26.8	48.6

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; E. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

### CAUSES OF DEATH.

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. As the ten years average would not be correctly ascertained, the average for the eight years 1892-9 has been used. These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical attendant, the case is returned under the heading "no statement." The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the Week include																	
REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation 1881	Total Births.	Total Deaths.	Deaths from													
				Deaths of Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON	3,615,704	2539	1410	395	302	-	39	18	18	35	1	18	-	117	55	100	30
WEST DISTRICTS	699,699	362	221	52	50	-	8	1	1	4	-	1	-	17	12	20	65
NORTH DISTRICTS	905,947	581	804	75	64	-	5	9	11	6	-	7	-	14	12	24	92
CENTRAL DISTRICTS	982,938	115	94	24	20	-	1	-	-	2	-	-	-	8	2	5	27
EAST DISTRICTS	692,768	504	280	102	49	-	16	2	2	5	-	4	-	29	13	33	63
SOUTH DISTRICTS	1,365,148	977	433	141	105	-	9	6	4	18	1	6	-	49	16	24	63
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON	-	-	23	1	5	-	-	-	-	-	-	-	-	-	-	-	28
WEST DISTRICTS.																	
St. Mary Paddington WHH G.J. & W.M.	69888	44	24	9	4	-	-	-	-	-	-	-	-	3	2	1	1
St. John Paddington H - G.J.	87890	10	18	4	3	-	-	-	-	-	-	-	-	1	3	4	11
Kensington Town W - W.M.	120141	70	18	7	6	-	-	-	-	1	-	-	-	-	-	1	5
Brompton H - W.M. & C	49010	14	6	-	1	-	-	-	-	-	-	-	-	-	-	-	2
St. Peter Hammersmith - W.M.	7599	5	3	1	1	-	-	-	-	-	-	-	-	1	5	-	-
St. Paul Hammersmith H W.M. & G.J.	64340	44	22	5	6	-	-	-	-	-	-	-	-	2	1	4	5
Fulham W - W.M. & C	42900	51	27	8	5	-	2	1	-	2	-	-	-	1	1	1	8
Chelsea South HHH	30899	13	15	5	2	-	-	-	1	-	-	-	-	1	2	5	5
Chelsea North-west WHHHH	24925	25	14	3	3	-	2	-	-	-	-	-	-	1	1	1	8
Chelsea North-east C	82807	21	7	2	2	-	1	-	-	-	1	-	-	1	1	1	7
May Fair W - G.J.	6953	6	12	2	5	-	-	-	-	-	-	-	-	1	1	1	8
Belgrave WHHH	69220	21	29	3	13	-	1	-	-	1	-	-	-	1	2	4	7
St. John Westminster HHH	35496	12	5	1	2	-	-	-	-	-	-	-	-	-	1	1	-
St. Margaret Westminster H C	24579	11	11	3	2	-	2	-	-	-	-	-	-	-	-	-	7
St. James Westminster WHH N.R. & G.J.	29041	8	5	-	3	-	-	-	-	-	-	-	-	-	1	1	1
St. Anne Soho HHHHH - N.R.	18008	7	5	-	1	-	-	-	-	-	-	-	-	-	-	-	1
NORTH DISTRICTS.																	
All Souls Marylebone HHHHH W.M.	26780	8	9	2	2	-	-	-	-	1	-	-	-	1	-	-	4
Cavendish Square HHHH - W.M.	14861	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone WH G.J. & W.M.	24909	17	6	3	1	-	-	-	-	-	-	-	-	-	-	1	8
St. Mary Marylebone HHH G.J. & W.M.	21178	27	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone HH - W.M.	33700	13	9	1	3	-	-	-	-	-	-	-	-	-	-	2	-
St. John Marylebone H - W.M.	33688	12	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Hampstead WWHHHH - N.R. & W.M.	45452	28	28	1	7	-	-	5	3	-	3	-	-	-	-	1	12
Regent's Park Pancras H - W.M.	89115	35	6	3	3	-	-	-	1	-	-	-	-	-	-	-	7
Tottenham-court WHHHH N.R. & W.M.	27729	12	10	2	-	-	1	-	-	-	-	-	-	2	1	1	4
Gray's Inn Lane HHH - N.R.	80247	23	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Bomars Town H - N.R.	84360	23	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Camden Town WH - N.R.	17311	20	13	-	5	-	-	-	1	1	1	1	-	-	-	-	8
Kentish Town W - N.R.	87497	49	21	8	2	-	2	-	-	1	-	-	-	2	-	-	3
Upper Holloway WWHH - N.R.	67944	62	45	8	12	-	-	-	3	-	-	-	-	1	5	7	24
Edlington South-west H - N.R.	100976	67	36	14	2	-	1	-	-	-	1	-	-	2	2	3	1
Edlington South-east - N.R.	61825	41	11	5	-	-	1	-	-	-	-	-	-	-	2	3	-
Highbury H - N.R.	62048	29	12	5	2	-	-	-	-	1	-	-	-	1	-	-	-
Stoke Newington H - N.R.	22781	15	4	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Stamford Hill - E.L.	9277	3	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - N.R.	87610	25	13	4	4	-	-	-	-	-	-	-	-	2	-	1	1
Hackney WWHH - E.L. & N.R.	76911	53	85	8	10	-	3	2	-	1	-	2	-	1	-	2	14
South Hackney - E.L.	39888	25	8	2	-	-	-	-	-	1	-	-	-	1	1	1	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury - N.R.	16681	9	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH - N.R.	14864	9	12	3	2	-	-	-	-	1	-	-	-	3	-	-	3
St. Giles North H - N.R.	13837	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1
St. Martin-in-the-Fields HHH N.R. & C.	17509	4	6	2	-	-	-	-	-	1	-	-	-	-	1	1	3
St. Mary-le-Strand H - N.R.	7515	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H - N.R.	8559	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Strand Union Workhouse, Edmonston w.	-	-	4	2	1	-	-	-	-	-	-	-	-	1	-	-	4
St. Geo.-the-Martyr HHHHHH N.R.	18671	5	7	3	1	-	-	-	-	-	-	-	-	-	1	-	3
St. Andrew Eastern W - N.R.	10706	5	3	1	1	-	-	-	-	-	-	-	-	-	-	-	1
Saffron Hill H - N.R.	6538	1	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - N.R.	17515	10	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - N.R.	19281	6	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Pentonville - N.R.	14773	9	8	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Goodwell-street - N.R.	17506	11	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Old-street H - N.R.	11541	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
City-road HHL - N.R.	18628	16	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitecross-street - N.R.	9217	1	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury - N.R.	7468	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - N.R. & E.L.	11174	7	4	1	1	-	1	-	-	-	-	-	-	1	-	-	-
Cripplegate - N.R.	7193	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - N.R.	5359	1	14	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Bride W - N.R.	8396	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11
Albhallows Barking - N.R.	13666	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - N.R.	5652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the district.—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. River; E. L., East London; and K., the Kent Company.

TER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
 Sunday, 13th September, 1890.

						The DEATHS registered in the Week include																
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	Deaths of		Deaths from										Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.				
				Total Deaths.	Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple continued Fever.	Dysentery.				Violence.			
<b>EAST DISTRICTS.</b>																						
Aldgate South H.L.*	- - N.R.	22343	12	5	1	4	-	-	-	-	-	-	-	-	-	2	1	-				
Bethnal Green North W	- - N.R.	29937	24	11	4	1	-	-	-	-	-	-	-	-	-	1	4	-				
Bethnal Green East WH	- - N.R.	28036	18	12	5	-	-	1	1	-	-	-	-	-	-	1	2	-				
Bethnal Green West WH	N.R. & E.L.	46275	35	19	8	2	-	-	-	1	-	-	-	-	-	1	6	-				
Bethnal Green North H	- - E.L.	51157	50	15	8	-	-	2	-	-	-	-	-	-	-	2	3	-				
Bethnal Green South H	- - E.L.	34399	16	10	6	-	-	1	-	-	-	-	-	-	-	1	2	-				
Bethnal Green East WHL*	- - E.L.	41405	26	17	6	2	-	-	-	-	1	-	-	-	-	-	6	-				
Bethnal Green West WH	- - E.L. & N.R.	22585	13	6	2	3	-	1	-	-	-	-	-	-	-	1	-	-				
Bethnal Green North WH	- - E.L.	15478	16	10	5	3	-	-	-	-	-	-	-	-	-	1	4	-				
Bethnal Green Church H	E.L. & N.R.	17499	18	10	4	1	-	-	1	-	1	-	-	-	-	1	1	1				
Bethnal Green Fields H	- - E.L.	5713	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-				
Bethnal Green East WH	N.R. & E.L.	6102	9	2	1	1	-	1	-	-	-	-	-	-	-	-	-	-				
Bethnal Green North WH	- - E.L.	58747	50	12	4	3	-	-	-	-	-	-	-	2	1	2	-	-				
Bethnal Green East WH	- - E.L.	8410	7	9	2	4	-	-	-	-	1	-	-	-	-	1	6	-				
Bethnal Green West WH	- - E.L. & N.R.	10395	9	14	9	2	-	-	-	1	-	-	-	1	1	3	9	-				
Bethnal Green North WH	- - E.L.	18107	11	8	4	-	-	3	-	-	-	-	-	-	1	2	-	-				
Bethnal Green East WH	- - E.L.	32041	23	7	3	1	-	4	-	-	-	-	-	-	-	-	-	-				
Bethnal Green West WH	- - E.L.	57960	28	10	3	2	-	1	-	1	-	-	-	2	-	-	-	-				
Bethnal Green East WH	- - E.L.	67653	46	31	8	11	-	2	-	-	-	-	-	1	2	5	6	1				
Bethnal Green West WH	- - E.L.	37074	29	17	8	4	-	-	1	-	-	-	-	-	1	1	3	2				
Bethnal Green North WH	- - E.L.	43459	65	28	6	3	-	-	-	1	-	-	-	1	1	5	8	-				
Bethnal Green East WH	- - E.L.	55077	44	17	6	3	-	-	-	1	-	1	-	1	-	2	1	-				
<b>SOUTH DISTRICTS.</b>																						
Bethnal Green South WH	L. & S.	13663	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1				
Bethnal Green North WH	- - S.	14999	9	7	2	4	-	-	-	-	-	-	-	-	-	-	-	-				
Bethnal Green East WH	- - S. & L.	31331	17	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-				
Bethnal Green West WH	- - S. & L.	15953	10	12	3	1	-	-	-	2	1	-	-	4	-	-	3	-				
Bethnal Green North WH	- - L. & S.	31318	15	7	4	1	-	-	-	3	-	-	-	-	-	-	-	-				
Bethnal Green East WH	- - S. & L.	36873	19	9	3	1	-	-	-	-	1	-	-	3	-	-	-	1				
Bethnal Green West WH	- - S. & L.	59555	29	15	5	3	-	-	-	-	-	-	-	1	1	1	-	-				
Bethnal Green North WH	- - L. & S.	31623	24	8	3	-	-	-	1	-	-	-	-	1	-	-	-	-				
Bethnal Green East WH	- - S.	11956	7	12																		



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 13th September, 189

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes.
LONDON—OUTER RING		370,924	950,957	767	331	89	78	-	7	4	7	8	5	24	8	19	25	
30:1	Carshalton wL -	12228	21118	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Epsom (part of)* WwH	9971	10710	6	2	-	1	-	-	-	-	-	-	-	-	-	-	-
37:1	Godstone (part of)* -	3754	1335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon Ww L -	20851	101241	78	28	6	8	-	-	-	-	-	-	3	1	4	3	-
2	Mitcham w -	11697	17932	6	2	-	-	-	-	-	-	-	-	-	1	1	-	-
39:1	Wimbledon HHH -	3220	15950	9	4	-	2	-	1	-	-	-	-	-	-	-	-	-
2	Kingston WHH -	8549	36354	19	8	4	2	-	-	-	-	1	-	1	-	-	-	-
3	Esher (part of)* -	6601	9221	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-
4	Hampton H -	4373	18539	8	4	-	1	-	-	-	-	-	-	-	1	1	-	-
40:1	Richmond WH -	2372	21302	5	4	2	1	-	-	-	-	-	-	-	-	-	-	-
2	Mortlake -	2941	12331	5	8	3	1	-	-	-	-	-	-	1	-	1	-	-
41:1	Bromley (pt. of)* HH	15669	31142	17	8	3	1	-	-	-	-	-	-	1	1	1	-	-
2	Chislehurst (pt. of)* WHH	14507	15844	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-
42:1	Bexley H -	18437	24134	19	6	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Dartford (Ww, pts. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury w -	11055	11685	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Staines W -	12277	12089	4	4	-	3	-	-	-	-	-	-	1	-	-	1	-
125:1	Hillingdon WHH -	6029	10802	7	2	-	2	-	-	-	-	-	-	-	-	-	-	-
2	Uxbridge -	6173	3225	6	1	-	1	-	-	-	-	-	-	-	-	-	-	-
3	Hayes wHL -	14337	11523	8	2	1	1	-	-	-	-	-	-	-	-	-	-	-
126:1	Isleworth WHH -	7008	22727	13	9	2	3	-	2	-	-	-	-	2	-	-	3	-
2	Twickenham H -	2477	12479	11	5	-	-	-	-	-	-	1	-	-	-	-	1	-
3	Brentford HL -	4345	27649	21	8	1	3	-	-	-	-	-	-	-	-	1	1	-
4	Chiswick -	1340	15975	4	6	1	1	-	-	1	-	-	-	-	-	-	-	-
5	Acton wH -	8053	22376	17	5	1	1	-	1	-	1	-	-	1	-	-	-	-
127:1	Harrow H -	13809	12796	5	2	-	-	-	-	-	1	-	-	-	-	-	-	-
2	Edgware H -	6994	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	43	10	3	1	-	-	-	1	-	-	-	-	1	-	1
4	Hendon W -	8332	10484	7	7	-	5	-	-	-	-	-	-	1	-	-	5	-
127:1	Bushey -	9351	6631	3	2	-	2	-	-	-	-	-	-	-	-	1	-	-
2	Watford (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128:1	South Mimms -	17549	6391	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-
2	Barnet -	5433	10092	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
3	Finchley HL -	4683	17615	10	6	3	2	-	-	-	-	-	-	1	-	-	-	-
129:1	Hatfield (part of)* -	3306	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:1	Hornsey H -	3039	37073	29	9	2	5	-	-	-	-	-	-	1	-	1	1	-
2	Tottenham H -	4642	46456	55	17	4	4	-	-	-	-	-	-	1	-	1	1	-
3	Edmonton Ww -	7453	23463	30	12	8	2	-	-	-	-	2	-	1	-	-	2	1
4	Enfield WH -	12653	19104	16	5	1	1	-	-	-	-	1	1	-	1	1	2	-
5	Waltham Abbey -	11017	5348	3	2	-	1	-	-	-	1	-	-	-	-	-	-	-
6	Cheshunt -	8490	7735	3	4	1	-	-	1	-	-	-	-	-	-	-	-	-
130:1	Stratford -	892	38606	24	11	5	1	-	-	1	-	-	-	1	-	-	-	1
2	West Ham wvH -	4055	90347	117	43	14	6	-	1	1	-	-	-	4	2	3	-	2
3	East Ham wv -	3226	10706	22	12	5	1	-	1	-	-	-	-	2	-	1	-	-
4	Leyton WwL -	4372	32480	37	25	6	8	-	-	-	3	1	2	2	-	-	5	1
5	Walthamstow H -	6530	23839	35	16	3	-	-	-	-	-	-	2	-	1	1	-	1
137:1	Chigwell (part of)* H	11761	9649	7	3	2	1	-	-	-	-	1	-	-	-	-	-	-
2	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:1	Romford (part of)* W	6730	3411	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-
2	Ilford -	3493	7645	9	2	-	2	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town -	4127	9203	14	9	3	2	-	-	1	-	-	-	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
 20:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warringham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadman and Kneokholt (pop. 1813); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 13th September, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
GREATER LONDON	448,334	5,758,500	15·8	2·7	1741	484	380	-	46	22	25	43	24	141	63	385		
INNER LONDON	77,410	4,421,661	16·6	2·9	1410	395	302	-	39	18	18	35	19	117	55	360		
OUTER RING	370,924	1,336,839	12·9	2·1	331	89	78	-	7	4	7	8	5	24	8	25		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA . . .	433,219	August 2	-	215	25·9	2	1	-	-	3	78	30†	
BOMBAY . . .	773,196	" 19	316	347	19·4	-	2	-	-	-	105	33†	
MADRAS . . .	398,777	July 18	376	318	41·4	-	9	-	-	-	84	71†	
		" 25	376	331	43·1	1	3	-	-	-	83	79†	
PARIS . . .	2,260,945	September 6	1035	603	20·8	5	19	1	26*	10	19	138	
RUSSELS (St. & Faubourgs.)	477,288	" 6	189	180	19·6	1	-	-	-	1	3	31	
AMSTERDAM . . .	406,302	" 6	254	139	18·0	-	4	-	2	4	-	-	
ROTTERDAM . . .	203,486	" 6	156	82	23·5	-	-	1	-	2	-	1	
THE HAGUE . . .	156,497	" 6	106	75	24·9	-	6	-	-	-	-	-	
COPENHAGEN . . .	312,387	" 6	183	125	20·9	-	1	4	2	4	-	15	
STOCKHOLM . . .	238,350	August 30	142	69	15·2	-	-	7	1	4	-	16	
CHRISTIANIA . . .	143,300	September 6	49	49	17·8	-	-	1	1	1	-	9	
S. PETERSBURG . . .	812,000	August 30	-	392	24·3	3	7	9	8	5	9	77	
BERLIN . . .	1,526,887	" 23	910	926	31·2	1	4	8	21	6	4	386	
AMSTERDAM (State)	575,276	" 30	424	268	24·3	-	5	1	9*	4	4	56	
BRESLEN . . .	269,250	" 30	147	133	25·7	-	1	-	5*	-	-	40	
BRESLAU . . .	324,400	September 6	216	198	31·9	-	-	7	6*	5	-	62	
BRUNNICH . . .	298,000	" 6	-	183	32·3	-	2	3	5*	1	-	65	
BRENA . . .	822,176	" 6	423	305	19·3	-	8	3	6	2	1	43	
BREUN . . .	314,425	" 6	-	162	26·9	-	3	4	3	1	2	11	
BUDA-PESTH . . .	463,017	August 30	294	243	27·3	-	-	7	14	1	-	59	
BRESLEN . . .	160,092	September 6	77	73	23·7	-	-	-	1	-	1	15	
BOMBAY . . .	418,217	July 26	246	165	21·3	-	2	1	1	-	12†	22	
BREUN (10 days)	314,827	August 10	-	-	-	-	-	-	-	-	-	-	
BREUN . . .	156,515	" 23	93	96	32·0	5	1	-	-	-	1	24	
BREUN . . .	374,833	" 14	386	337	46·8	-	-	-	4*	2	17	138	
ALEXANDRIA . . .	231,396	" 14	146	183	42·2	1	-	-	-	1	12	57	
NEW YORK . . .	1,617,997	" 23	-	751	23·9	-	12	4	14	16	12	147	
BROOKLYN . . .	859,612	" 23	-	369	23·1	-	4	2	6	7	4	67	
PHILADELPHIA . . .	1,064,277	" 23	-	415	20·3	-	-	3	8	9	11	52	
ALTIMORE . . .	500,343	" 23	-	141	14·6	-	-	-	8	4	5	17	
NEW ORLEANS . . .	254,000	" 16	-	-	-	-	-	-	-	-	-	-	

\* Including deaths from croup.

† Including 4 deaths from cholera in Calcutta, 1 in Bombay, and 10 and 17 respectively in Madras.

‡ Including 7 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 13TH SEPTEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890. MONTH AND DAY.	Phases of the Moon.	TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is 5 inches above the level of the Ground.	Ozone.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		Baro- meter.	Of the Air.			Of the Dew Point.		Difference between the Air Temperature and Dew Point Temperature.		Degree of Hu- midity ratio equals 100.	Of Radiation.		Of the Water at Deptford.		General Direction.		Oiler's.			Pressure on the Square Foot.		Robinson's.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			Mean daily reading (cor- rected and re- duced to 32° Fahr- enheit).	High. est.	Low. est.	Range. value.	Daily value.	Mean from a series of 29 years.	Mean daily value.		Great- est. est.	Least. est.	High- est in Sun's Rays.	Low- est. est.	A.M.	P.M.	Great- est. est.			Least. est.	Mean of 24 hours daily Obs.	Horizontal Movement of the Air on each Day.	Depar- ture from Average of 10 Years.	Miles.	Miles.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

The height of the cistern of the barometer is 153 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean value of the readings of the maximum and minimum thermometers, forming the mean daily value of the temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the twenty years ending 1883, and that of horizontal movement of the air from a discussion of the areometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cable Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 30.26 in. at the beginning of the week to 30.30 in. at the end of the week.

#### GENERAL REMARKS.

Very fine; cloudless in morning; few light clouds during day; cloudless at night.

Cloudless and very fine; foggy between 8h. A.M. and 8h. A.M.

Cloudless in early morning; overcast till about 11h. A.M., with fog between 8h. A.M. and 8h. A.M.; very fine afterwards.

Very fine; fog between 8h. A.M. and 9h. A.M.; generally cloudless till afternoon; partially cloudy in evening; cloudless at night.

Cloudy in morning; very fine afterwards, with variable clouds till evening; cloudless at night.

Very fine; generally cloudless; dense haze in afternoon.

Fine; cloudless and foggy in morning; partially cloudy till evening; cloudless at night.

Sum 48.6

DATE.	ELECTRICITY. (For explanation of symbols, see Note.)	Registered Sun above Horizon, in hours.	Sum 90.4
SEPTEMBER.			
SUNDAY . 7	W. P. . . .	7.9	13.1
MONDAY . 8	W. P. . . .	9.5	13.0
TUESDAY . 9	W. P. till evening; m. P. afterwards.	5.6	13.0
WEDNESDAY . 10	W. P. . . .	8.6	12.9
THURSDAY . 11	W. P. . . .	7.9	12.9
FRIDAY . 12	W. P. generally; a little W. N. in afternoon.	4.7	12.8
SATURDAY . 13	W. P. . . .	4.4	12.7
		Sum	Sum
		48.6	90.4

**OFFICIAL COPY.**  
**WEEKLY RETURN**  
 OF  
**BIRTHS AND DEATHS IN LONDON**  
 AND IN  
**TWENTY-SEVEN OTHER GREAT TOWNS.**

By Authority of the Registrar General.

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No. 38. 1890. VOL. LI.] WEEK ENDING SATURDAY, SEPTEMBER 20. [Price 1½d.

General Register Office, Somerset House,  
 22nd September, 1890.

**TWENTY-EIGHT GREAT TOWNS.**

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·1 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.		Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.
Birkenhead	19·9	18·4	19·9	17·9	Liverpool -	25·5	22·2	22·8	22·1
Birmingham	21·7	17·6	21·2	19·0	London -	19·6	17·9	16·6	16·2
Blackburn -	15·2	20·3	15·6	30·0	Manchester -	27·6	30·4	25·4	31·6
Bolton -	22·5	22·1	20·3	20·7	Newcastle-on-Tyne	35·2	22·1	21·8	26·6
Bradford -	18·6	14·1	13·2	14·1	Norwich -	20·8	22·4	17·6	15·3
Brighton -	19·8	14·8	19·4	16·0	Nottingham -	12·6	13·6	13·4	15·8
Bristol -	11·2	14·1	15·9	14·4	Oldham -	16·3	14·6	22·4	19·9
Cardiff -	29·4	22·7	19·6	24·1	Plymouth -	17·2	15·9	27·8	19·9
Derby -	16·0	15·5	19·6	12·9	Portsmouth -	20·1	24·1	19·3	18·2
Halifax -	13·3	19·1	17·2	17·8	Preston -	29·7	25·3	23·3	35·7
Huddersfield	17·1	12·7	22·7	17·1	Salford -	23·7	22·4	19·6	20·9
Hull -	20·7	21·9	19·0	23·7	Sheffield -	28·2	18·3	23·5	25·2
Leeds -	18·3	18·5	17·5	21·9	Sunderland -	22·5	24·8	21·8	27·9
Leicester -	20·9	20·3	20·9	17·9	Wolverhampton -	18·1	28·1	21·3	20·0

The highest annual death-rates, measured by last week's mortality, were :—from *measles*, 1·3 in Plymouth and in Wolverhampton, and 1·6 in Manchester; from *scarlet fever*, 1·4 in Liverpool; from *whooping-cough*, 1·1 in Huddersfield and in Sunderland, and 1·6 in Norwich; from "*fever*," 1·3 in Blackburn and in Halifax, and 2·0 in Plymouth; and from *diarrhœa*, 3·8 in Sheffield, 3·9 in Hull, 5·3 in Sunderland, and 11·4 in Preston. The 63 deaths from *diphtheria* included 35 in London, 8 in Salford, 4 in Manchester, 4 in Cardiff, 3 in Liverpool, and 2 in Newcastle-upon-Tyne. No death from *small-pox* was registered in any of the twenty-eight towns.

**LONDON.**

In LONDON 2355 BIRTHS and 1375 DEATHS were registered. Allowing for increase of population, the births were 328, and the deaths 27, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the preceding three weeks from 19·6 to 16·6, further fell last week to 16·2. During the past twelve weeks of the current quarter the death-rate averaged 18·2 per 1000, being 0·8 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1375 deaths included 33 from measles, 14 from scarlet fever, 35 from diphtheria, 38 from whooping-cough, 21 from enteric fever, 94 from diarrhoea and dysentery, 3 from cholera and choleraic diarrhoea, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 238 deaths were referred to these diseases, exceeding by 16 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 5; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The 33 deaths from *measles* showed a further decline from the high numbers recorded in recent weeks, but were 16 in excess of the corrected average. The fatal cases of *scarlet fever*, which had been 18 in each of the previous two weeks, declined last week to 14, and were 24 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1596 scarlet-fever patients at the end of last week, the numbers on the preceding four Saturdays having increased from 1427 to 1539; 211 cases were admitted during the week, against numbers increasing from 118 to 210 in the preceding six weeks. The deaths from *diphtheria*, which had been 16 and 18 in the previous two weeks, further increased last week to 35 (including 8 in Pancras sanitary area), and exceeded the corrected average by 12. The deaths from *whooping-cough*, which had numbered 46 and 35 in the preceding two weeks, increased again last week to 38, and exceeded the corrected average by 9. The 94 deaths from *diarrhoea* showed a further considerable decline, being, however, 8 above the corrected average; 83 were of children under five years of age and 10 of persons aged 60 years and upwards. One death was attributed to *English cholera*, one to *cholera nostras*, and one to *choleraic diarrhoea*.

The fatal cases of *enteric fever*, which had been 18 in each of the preceding two weeks, increased last week to 21, exceeding the corrected average by one. The Metropolitan Asylum Hospitals contained 131 cases of enteric fever, and one of typhus, on Saturday last; 20 cases of enteric fever were admitted during the week, against 36 and 25 in the previous two weeks. There were also five cases of enteric fever under treatment in the London Fever Hospital, two of which were admitted during last week.

The deaths referred to diseases of the respiratory organs, which had been 180 and 210 in the preceding two weeks, declined again last week to 187, and were 3 below the corrected average.

Different forms of violence caused 43 deaths, concerning all but 2 of which inquests were held. Of these 43 deaths, 3 were cases of suicide, and 2 of murder or manslaughter, while the remaining 38 were attributed to accident or negligence. Seven of these (including one by fall from bicycle) were caused by horses or vehicles in the streets, 5 by burns or scalds, 9 by drowning, and 8 (including 7 of infants under one year of age) by suffocation.

#### GREATER LONDON.

In Greater London 3123 births and 1717 deaths were registered, corresponding to annual rates of 28.3 and 15.5 per 1000 of the estimated population. In the Outer Ring 30 deaths were referred to diarrhoea, 11 to whooping-cough, 9 to "fever," and 6 to diphtheria. The deaths from "fever" included 2 in West Ham, 2 in Walthamstow, and 2 in Tottenham sub-districts. Of the deaths from diphtheria, 2 occurred in West Ham and 2 in Leyton sub-districts. Three deaths from scarlet fever were recorded in Brentford sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.78 ins.; the highest reading was 30.07 ins. at the beginning of the week, and the lowest 29.49 ins. on Saturday morning. The mean temperature of the *air* was 60°.4, and 3°.3 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on every day of the week, the greatest amount of excess being 5°.2 on Tuesday. The direction of the *wind* was variable, and the horizontal movement of the air averaged 7.9 miles per hour, which was 3.6 miles below the average in the corresponding weeks of 16 years. *Rain* fell on four days of the week, to the aggregate amount of 0.34 of an inch. The duration of registered bright sunshine in the week was 50.7 hours, against 47.7 hours at Glyde Place, Lewes.

TABLE 1.—Births, Deaths, and Meteorology in 28 GREAT TOWNS, during the Week ending 20th September 1890.

CITIES AND BOROUGH.	POPULATION estimated to the middle of the Year 1860.*	Registered during the Week ending 20th Sept., 1880.			The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGH.																																																																																																																																																																																																																																																																																																																																											
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhoid.	Violence.	Inquest Cases.			Unidentified Deaths.	Causes of Death.	Annual Rate per 1000, corresponding to the Week's Deaths.	Mean.				In Inches.	In Centi- metres.																																																																																																																																																																																																																																																																																																																																									
													Deaths from Fever.	Diphtheria.	Whooping- cough.				Diarrhoea.	Violence.	Unidentified Deaths.				Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	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Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.	Unidentified Deaths.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-EIGHTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2599	2330	2544	2470	2498	2438	2409	2507	2453	2344	2682·8	2355
Males . .	1360	1200	1289	1253	1299	1318	1208	1291	1261	1213	1384·6	1161
Females .	1239	1130	1255	1212	1199	1120	1201	1216	1202	1131	1298·2	1194
<b>TOTAL Deaths</b>	1441	1279	1450	1286	1315	1031	1273	1164	1298	1267	1401·7	1375
Males . .	758	662	756	659	631	551	663	599	677	649	726·3	704
Females .	683	617	694	627	634	530	605	565	621	618	675·4	671

\* The numbers in this column are the average weekly numbers in the thirty-eighth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	June 28.	July 5.	July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.
<b>TOTAL Births</b> - -	2359	2480	2472	2346	2512	2557	2176	2527	2487	2614	2469	2539	2355
<b>TOTAL Deaths</b> - -	1346	1481	1471	1522	1418	1633	1594	1751	1629	1659	1514	1410	1375
<b>Ages at Death</b> {													
0-20 years - -	669	793	800	823	793	938	915	1019	964	911	796	687	667
20-40 " - -	155	165	174	157	132	186	171	169	148	190	177	183	200
40-60 " - -	254	239	214	249	227	232	225	263	233	265	240	238	214
60-80 " - -	220	237	231	250	219	277	230	216	255	234	245	256	232
80 years & upwards	48	47	52	43	47	50	53	54	49	59	56	46	62
<b>" Under 1 year</b> - -	339	423	428	445	433	554	549	635	603	525	459	395	376
1-5 - -	256	281	281	277	282	286	294	294	292	282	217	217	227
5-20 - -	74	89	91	101	73	98	72	90	69	104	90	75	64
<b>Deaths from Small-pox</b> - -	-	-	-	-	-	-	-	-	-	-	-	-	-
" Measles - -	101	100	99	104	94	82	95	80	73	60	56	39	33
" Scarlet fever - -	7	13	20	12	13	19	17	27	16	24	18	18	14
" Diphtheria - -	24	21	22	19	20	36	22	15	20	26	16	18	35
" Whooping-cough - -	52	57	66	56	62	45	37	39	39	39	46	35	33
" Typhus - -	2	-	-	-	-	-	-	-	-	-	-	1	-
" Enteric fever - -	9	6	9	6	2	11	11	16	11	17	18	18	21
" Simple Cont'd fever - -	-	2	-	1	-	1	1	1	-	-	1	-	-
" Diarrhœa and Dysentery - -	51	85	107	111	107	177	176	262	255	180	128	117	94
" Cholera - -	2	4	4	1	1	7	4	10	12	7	5	5	3
" all the above-mentioned Diseases - -	243	283	327	310	299	378	363	450	426	353	238	251	238
" Dis. of Respiratory System - -	206	244	225	216	185	215	197	208	203	184	180	210	187
" Phthisis - -	136	115	132	150	110	147	126	129	119	167	139	136	157
" Dis. of Circulatory System - -	99	105	108	117	107	118	119	113	116	100	120	114	136
<b>Violent Deaths</b> - -	49	55	40	49	56	73	50	75	54	57	54	55	43
<b>Inquest Cases</b> - -	99	97	100	113	111	134	103	128	105	105	98	109	83
<b>Deaths in Public Institutions</b>	299	311	321	347	333	405	373	403	343	364	391	360	359
<b>TEMPERATURE OF THE AIR</b>													
Mean - -	60·6	55·7	55·7	61·4	61·6	62·9	62·6	61·1	59·0	54·4	58·4	59·4	60·4
Mean of Highest readings - -	71·5	66·6	65·2	72·1	73·9	74·4	73·8	73·2	69·0	66·5	71·0	73·2	71·7
Mean of Lowest readings - -	52·5	48·6	48·4	54·3	52·6	53·9	53·2	54·6	51·8	46·0	49·4	48·2	51·0
<b>Humidity of the Air</b> - -	82	84	83	81	75	77	77	82	81	80	83	79	74
<b>Rain-fall in inches</b> - -	0·78	1·77	0·86	2·08	0·08	0·11	0·00	0·78	1·00	0·67	0·00	0·00	0·34
<b>Registered Sunshine (in hours)</b>	36·2	23·5	17·9	21·7	44·6	31·9	30·5	32·6	31·9	36·5	26·8	48·6	50·7

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-EIGHTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 38th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 20th September 1890.										CAUSES OF DEATH.	Corrected Averages for the 38th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 20th September 1890.																			
		Deaths of Persons of the Ages												Deaths of Persons of the Ages																			
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.												
			0-1.	1-5.	5-20.										0-1.	1-5.	5-20.																
ALL CAUSES -	1401.7	1375	376	227	64	200	214	232	62		Diseases of Organs of Special Sense † -	2.5	3	-	1	-	2	-	-	-		Diseases of Circulatory System -	101.3	136	-	1	8	26	34	54	13	-	
Small-pox { Vaccinated † 1.5											Croup -	11.3	5	-	3	2	-	-	-	-	-	Bronchitis -	101.7	111	32	26	-	1	14	26	12	-	
Scarlet Fever -	37.9	14	1	9	3	1	-	-	-	-	Pneumonia -	52.3	57	17	16	2	8	8	6	-	-	Pleurisy -	4.7	4	-	-	1	1	1	-	1	-	
Typhus -	0.7	-	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System -	20.2	10	4	2	-	-	1	2	1	-	Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	-	
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	-	Dentition † -	7.4	9	5	4	-	-	-	-	-	-	Influenza -	0.4	1	-	-	1	-	-	-	-	-	
Influenza -	0.4	1	-	-	1	-	-	-	-	-	Quinsy, Sore Throat † -	2.5	1	1	-	-	-	-	-	-	-	Whooping-cough -	25.6	38	11	26	1	-	-	-	-	-	
Whooping-cough -	25.6	38	11	26	1	-	-	-	-	-	Enteritis -	12.3	15	9	8	-	2	1	-	-	-	Diphtheria -	23.2	35	3	23	9	-	-	-	-	-	
Diphtheria -	23.2	35	3	23	9	-	-	-	-	-	Peritonitis -	6.7	7	-	1	1	4	-	1	-	-	Simple Continued and Ill-defined Fever -	1.0	-	-	-	-	-	-	-	-	-	
Simple Continued and Ill-defined Fever -	1.0	-	-	-	-	-	-	-	-	-	Diseases of Liver -	31.0	29	5	-	1	7	9	7	-	-	Enteric Fever -	20.4	21	-	1	4	12	3	1	-	-	
Enteric Fever -	20.4	21	-	1	4	12	3	1	-	-	Other Diseases of Digestive System -	33.8	20	8	-	2	3	4	3	-	-	Cholera and Chol. Diarr.	2.4	3	-	1	1	-	-	1	-	-	
Cholera and Chol. Diarr.	2.4	3	-	1	1	-	-	1	-	-	Diseases of Lymphatic System & of Ductless Glands † -	1.9	-	-	-	-	-	-	-	-	-	Diarrhoea, Dysentery -	83.0	94	63	15	-	1	-	7	3	-	
Diarrhoea, Dysentery -	83.0	94	63	15	-	1	-	7	3	-	Diseases of Urinary System -	82.7	80	-	-	1	7	7	11	4	-	Remittent Fever -	0.2	-	-	-	-	-	-	-	-	-	
Remittent Fever -	0.2	-	-	-	-	-	-	-	-	-	Diseases of Generative System	4.3	9	-	-	-	4	3	2	-	-	Hydrophobia -	0.5	-	-	-	-	-	-	-	-	-	
Hydrophobia -	0.5	-	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4.0	5	-	-	1	4	-	-	-	-	Glanders -	0.1	-	-	-	-	-	-	-	-	-	
Glanders -	0.1	-	-	-	-	-	-	-	-	-	Diseases of Locomotive System † -	7.5	8	2	1	4	-	1	-	-	-	Cowpox and Effects of Vaccination † -	0.4	1	1	-	-	-	-	-	-	-	
Cowpox and Effects of Vaccination † -	0.4	1	1	-	-	-	-	-	-	-	Diseases of Integumentary System -	5.7	8	-	-	-	1	2	4	1	-	Veneral Affections -	13.0	12	9	1	-	1	1	-	-	-	
Veneral Affections -	13.0	12	9	1	-	1	1	-	-	-	VIOLENT DEATHS.‡										-	Erysipelas -	6.3	7	-	1	1	2	1	2	-	-	
Erysipelas -	6.3	7	-	1	1	2	1	2	-	-	(ACCIDENT.)										-	Pyæmia and Septicæmia †	3.1	2	-	1	-	-	-	1	-	-	
Pyæmia and Septicæmia †	3.1	2	-	1	-	-	-	1	-	-	Fracture and Contusion	23.0	13	2	5	-	3	1	2	-	-	Puerperal Fever -	5.2	3	-	-	-	3	-	-	-	-	
Puerperal Fever -	5.2	3	-	-	-	3	-	-	-	-	Gunshot Wound -	0.2	-	-	-	-	-	-	-	-	-	Other Zymotic Diseases †	1.1	-	-	-	-	-	-	-	-	-	
Other Zymotic Diseases †	1.1	-	-	-	-	-	-	-	-	-	Cut, Stab -	0.2	-	-	-	-	-	-	-	-	-	Thrush -	2.8	-	-	-	-	-	-	-	-	-	
Thrush -	2.8	-	-	-	-	-	-	-	-	-	Burn and Scald -	8.8	5	1	2	1	-	1	-	-	-	Worms and other Parasitical Diseases -	0.3	1	-	-	-	1	-	-	-	-	
Worms and other Parasitical Diseases -	0.3	1	-	-	-	1	-	-	-	-	Poison -	1.0	-	-	-	-	-	-	-	-	-	Starvation, Want of Breast-milk † -	2.0	2	2	-	-	-	-	-	-	-	
Starvation, Want of Breast-milk † -	2.0	2	2	-	-	-	-	-	-	-	Drowning -	6.8	9	-	2	2	3	1	1	-	-	Alcoholism -	5.1	6	-	-	-	3	3	1	-	-	
Alcoholism -	5.1	6	-	-	-	3	3	1	-	-	Suffocation -	8.8	8	7	-	-	-	1	-	-	-	Rheumatic Fever, Rheumatism of Heart †	7.0	4	-	2	-	1	1	-	-	-	
Rheumatic Fever, Rheumatism of Heart †	7.0	4	-	2	-	1	1	-	-	-	Otherwise -	8.5	3	2	-	-	1	-	-	-	-	Rheumatism † -	1.7	3	-	-	-	2	1	-	-	-	
Rheumatism † -	1.7	3	-	-	-	2	1	-	-	-	(HOMICIDE.)										-	Gout -	2.6	5	-	-	-	-	1	3	1	-	
Gout -	2.6	5	-	-	-	-	1	3	1	-	Murder & Manslaughter	1.5	2	-	-	-	2	-	-	-	-	Rickets † -	2.1	9	3	6	-	-	-	-	-	-	
Rickets † -	2.1	9	3	6	-	-	-	-	-	-	(SUICIDE.)										-	Cancer -	52.3	56	-	1	-	8	17	27	3	-	
Cancer -	52.3	56	-	1	-	8	17	27	3	-	Gunshot Wound -	0.9	-	-	-	-	-	-	-	-	-	Tabs Mesenterica -	31.4	34	25	7	1	1	-	-	-	-	
Tabs Mesenterica -	31.4	34	25	7	1	1	-	-	-	-	Cut, Stab -	1.5	-	-	-	-	-	-	-	-	-	Tubercular Meningitis -	23.0	17	8	7	1	1	-	-	-	-	
Tubercular Meningitis -	23.0	17	8	7	1	1	-	-	-	-	Poison -	1.0	-	-	-	-	-	-	-	-	-	Phthisis -	165.1	157	5	3	10	63	57	14	-	-	
Phthisis -	165.1	157	5	3	10	63	57	14	-	-	Drowning -	1.5	1	-	-	-	-	1	-	-	-	Scrofula, Tuberculosis -	16.7	10	4	4	-	2	-	-	-	-	
Scrofula, Tuberculosis -	16.7	10	4	4	-	2	-	-	-	-	Hanging -	1.3	1	-	-	-	1	-	-	-	-	Other Constitutional Diseases †	9.3	10	-	1	-	2	2	5	-	-	
Other Constitutional Diseases †	9.3	10	-	1	-	2	2	5	-	-	Otherwise -	0.8	1	-	-	-	-	-	-	-	-	Premature Birth -	37.2	31	31	-	-	-	-	-	-	-	
Premature Birth -	37.2	31	31	-	-	-	-	-	-	-	(EXECUTION.)										-	Atelactæsis † -	1.7	5	5	-	-	-	-	-	-	-	
Atelactæsis † -	1.7	5	5	-	-	-	-	-	-	-	Hanging -	0.0	-	-	-	-	-	-	-	-	-	Congenital Malformations -	6.2	6	6	-	-	-	-	-	-	-	
Congenital Malformations -	6.2	6	6	-	-	-	-	-	-	-	OTHER CAUSES † -	65.0	63	55	3	-	1	1	2	1	-	-	Old Age -	41.5	31	-	-	-	-	-	13	13	-
Old Age -	41.5	31	-	-	-	-	-	-	-	-											-	Apoplexy -	37.6	32	-	-	-	1	16	13	2	-	
Apoplexy -	37.6	32	-	-	-	1	16	13	2	-											-	Epilepsy -	8.8	5	-	-	-	3	2	-	-	-	
Epilepsy -	8.8	5	-	-	-	3	2	-	-	-											-	Convulsions -	49.0	31	25	6	-	-	-	-	-	-	
Convulsions -	49.0	31	25	6	-	-	-	-	-	-											-	Other Diseases of Brain and Nervous System	75.0	83	13	16	5	7	18	22	2	-	
Other Diseases of Brain and Nervous System	75.0	83	13	16	5	7	18	22	2	-											-												

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ended

REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	The DEATHS registered in the Week include														
				Deaths of			Deaths from											
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON	3,815,704	2355	1376	376	294	-	33	14	35	38	-	21	-	-	94	43	83	339
WEST DISTRICTS	669,693	863	231	51	63	-	6	-	2	6	-	2	-	-	12	6	9	78
NORTH DISTRICTS	905,947	531	314	79	75	-	4	6	15	6	-	7	-	-	15	7	20	93
CENTRAL DISTRICTS	682,228	144	85	18	14	-	1	1	2	4	-	-	-	-	1	1	7	32
EAST DISTRICTS	692,788	415	261	78	43	-	5	1	7	6	-	6	-	-	25	11	17	71
SOUTH DISTRICTS	1,365,148	902	472	150	95	-	17	6	9	16	-	6	-	-	41	18	30	73
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON	-	-	12	-	4	-	-	-	-	-	-	-	-	-	-	-	-	12
WEST DISTRICTS.																		
St. Mary Paddington WHH G.J. & W.M.	69888	45	24	7	4	-	-	-	1	1	-	-	-	-	2	-	-	3
St. John Paddington H - G.J.	97380	12	9	1	4	-	-	-	1	-	-	-	-	-	1	-	-	6
Kensington Town W - W.M.	120141	58	53	12	26	-	1	-	-	-	-	1	-	-	1	2	8	17
Brompton H - W.M. & C.	48010	13	9	2	3	-	-	-	-	-	-	-	-	-	-	1	2	-
St. Peter Hammersmith - W.M.	7599	1	2	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
St. Paul Hammersmith W.M. & G.J.	64340	48	22	4	5	-	1	-	-	2	-	1	-	-	1	2	2	3
Fulham W - W.M. & C.	49900	69	22	6	3	-	-	-	-	-	-	-	-	-	3	-	-	4
Chelsea South HHH - E.	30896	8	10	3	1	-	-	-	-	-	-	-	-	-	-	1	1	3
Chelsea North-west WHHHHH	24925	15	15	2	6	-	1	-	-	-	1	-	-	-	1	-	1	10
Chelsea North-east - C.	39807	13	5	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
May Fair W - G.J.	88353	3	13	-	7	-	-	-	-	-	-	-	-	-	-	-	-	11
Belgrave WHH - C.	59220	27	13	5	3	-	1	-	-	-	-	-	-	-	-	-	-	12
St. John Westminster HHH - C.	34498	25	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Margaret Westminster H - C.	24379	8	11	4	3	-	-	-	-	2	-	-	-	-	2	1	-	5
St. James Westminster WHH N.R. & G.J.	29941	10	7	2	2	-	1	-	-	-	-	-	-	-	-	-	-	2
St. Anne Soko HHHHH - N.R.	18608	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NORTH DISTRICTS.																		
All Souls Marylebone HHHHH W.M.	26759	8	20	1	4	-	-	-	-	-	-	-	-	-	-	-	-	15
Cavendish Square HHHH - W.M.	14891	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone WH G.J. & W.M.	24809	2	9	2	4	-	1	-	-	-	-	-	-	-	1	-	-	4
St. Mary Marylebone HHH G.J. & W.M.	21118	20	7	3	2	-	-	-	-	-	-	-	-	-	2	-	-	-
Christchurch Marylebone HH - W.M.	38700	23	9	4	2	-	-	-	-	-	-	-	-	-	1	1	-	-
St. John Marylebone H - W.M.	36383	12	6	4	1	-	-	-	-	-	-	-	-	-	1	1	-	-
Hampstead WHHHH - N.R. & W.M.	45452	22	30	8	7	-	-	4	3	-	-	2	-	-	1	2	2	11
Regent's Park Pancras H - W.M.	39115	32	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tottenham-court WHHHH N.R. & W.M.	27729	16	15	2	2	-	-	1	1	-	-	-	-	-	1	2	3	8
Gray's Inn Lane HHH - N.R.	80247	14	8	4	2	-	-	-	-	-	-	-	-	-	-	-	-	4
Somers Town H - N.R.	24389	14	7	4	2	-	-	-	-	-	-	-	-	-	1	1	-	-
Camden Town WH - N.R.	17811	10	6	1	1	-	-	-	-	-	-	-	-	-	1	1	2	-
Kentish Town W - N.R.	87487	63	20	9	5	-	-	-	2	1	-	1	-	-	1	-	1	8
Upper Holloway WHWHH - N.R.	67946	52	27	6	8	-	-	-	-	-	3	-	-	-	-	-	1	14
Islington South-west H - N.R.	109276	61	28	7	8	-	-	-	-	-	-	-	-	-	1	-	3	-
Islington South-east - N.R.	61825	39	19	5	3	-	-	-	-	-	-	-	-	-	-	-	2	-
Highbury H - N.R.	52043	15	10	1	4	-	1	-	1	-	-	-	-	-	-	-	-	-
Stoke Newington H - N.R.	27781	17	10	4	-	-	1	-	-	-	-	-	-	-	-	-	1	-
Stamford Hill - E.L.	9277	9	8	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
West Hackney H - N.R.	87610	21	7	2	8	-	-	-	-	1	-	-	-	-	-	-	-	1
Hackney W & W - E.L. & N.R.	79911	53	45	10	9	-	2	7	-	-	3	-	-	-	1	1	5	22
South Hackney - E.L.	39883	24	12	6	2	-	1	-	-	-	1	-	-	-	2	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury - N.R.	16631	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH - N.R.	14894	4	6	1	2	-	-	-	-	-	-	-	-	-	-	-	1	3
St. Giles North H - N.R.	18837	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Martin-in-the-Fields HHN R. & C.	17506	4	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand H - N.R.	7515	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	4
St. Clement Danes H - N.R.	8559	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strand Union Workhouse, Edmonton w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Geo. the Martyr HHHHHHH N.R.	18671	10	14	1	1	-	1	-	1	-	-	-	-	-	-	-	-	8
St. Andrew Eastern W - N.R.	10706	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Saffron Hill H - N.R.	6538	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - N.R.	17516	6	8	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - N.R.	19281	6	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentonville - N.R.	14773	9	6	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Goosewell-street - N.R.	17506	14	3	2	1	-	-	-	-	-	-	-	-	-	-	2	-	-
Old-street H - N.R.	11541	9	1	-	1	-	-	-	-	-	2	-	-	-	1	-	-	-
City-road HHL - N.R.	18628	29	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitecross-street - N.R.	9217	7	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Finchbury - N.R.	7468	4	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham w.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - N.R. & E.L.	11174	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cripplegate - N.R.	7198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - N.R.	5358	8	14	1	1	-	-	-	1	2	-	-	-	-	-	-	-	-
St. Bride W - N.R.	8396	2	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	13
Albany Barking - N.R.	18666	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - N.R.	5632	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>W</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts.—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. N. River; E. L., East London; and K., the Kent Company.

REGISTRATION SUB-DISTRICTS.		Name rated Popu- lation, 1881.	Total Deaths.	Deaths from										Inquest Cases.	Deaths in Public Institutions.	Certified Causes of Death.	
				Deaths of													
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple continued fever.	Leprosy.	Violence.		
<b>EAST DISTRICTS.</b>																	
St. Andrew's South H.L.*	- - N.R.	22343	7	8	3	1	-	-	1	-	-	-	-	-	-	-	-
St. Andrew's North W.	- - N.R.	29837	11	12	3	3	-	-	1	1	-	-	-	2	-	2	3
St. Andrew's Old Town	- - N.R.	28663	11	7	4	2	-	-	-	-	-	-	-	-	1	-	-
St. Andrew's West WH	- - N.R. & E.L.	48276	27	20	5	1	-	1	-	1	-	1	-	3	-	6	-
St. John's Green North H	- - E.L.	51157	33	10	7	-	-	-	2	1	-	-	-	1	-	-	-
St. John's Green South	- - E.L.	34390	22	8	2	-	-	-	1	-	-	-	-	1	-	-	-
St. John's Green East WHL*	- - E.L.	41403	37	20	3	7	-	-	1	1	-	-	-	-	-	-	13
St. James' Park	- - E.L. & N.R.	22585	8	9	3	-	-	-	-	-	-	-	-	1	-	-	-
St. James' New Town W	- - E.L.	15478	17	12	3	5	-	-	-	-	-	-	-	2	1	1	6
St. James' Chapel Church H	- - E.L. & N.R.	17490	12	19	4	1	-	1	1	-	-	1	-	1	2	2	12
St. James' Fields	- - E.L.	9713	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. James' Gates	- - N.R. & E.L.	6102	3	3	-	-	-	-	1	1	-	-	-	-	-	-	-
St. George's, North	- - E.L.	38747	25	9	4	-	-	-	-	-	-	-	-	3	-	1	-
St. John, St. George East W	- - E.L.	8410	5	5	1	3	-	-	-	-	-	-	-	1	-	4	-
St. Andrew's H	- - E.L. & N.R.	10335	6	12	6	1	-	-	-	-	-	-	-	1	-	-	-
St. Andrew's H	- - E.L.	16107	11	9	3	2	-	1	-	-	-	-	-	1	-	9	-
St. Andrew's House	- - E.L.	32041	22	6	2	-	-	-	-	-	-	-	-	1	-	1	-
St. Andrew's End Old Town West H	- - E.L.	37960	24	12	5	3	-	-	-	-	-	-	-	2	-	-	-
St. Andrew's End Old Town East WWH-E.L.	- - E.L.	67653	38	22	4	9	-	2	-	-	1	-	-	-	3	1	6
St. Andrew's L*	- - E.L.	37074	17	11	6	-	-	-	-	-	-	-	-	3	-	-	1
St. Andrew's WWH-H	- - E.L.	64359	47	31	5	5	-	-	-	1	-	1	-	-	3	4	11
St. Andrew's WWH	- - E.L.	56077	30	15	4	-	-	-	-	-	2	-	-	-	3	4	-
<b>SOUTH DISTRICTS.</b>																	
St. Andrew's Church Southwark WH	L. & S.	13663	10	5	2	1	-	-	-	-	-	-	-	-	-	1	-
St. Andrew's Saviour Southwark	- S.	14999	11	5	1	-	2	-	-	-	-	-	-	1	-	1	-
St. Andrew's Road	S. & L.	21381	12	5	1	1	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's Rough-road WH	S. & L.	15953	13	7	4	-	-	-	2	-	-	-	-	-	2	2	



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—  
AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 20th September, 1899

The DEATHS registered in the Week include																					
Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Deaths of														Deaths in Public Institutions.	Uncertified Causes
						Deaths of		Deaths from													
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.					
LONDON—OUTER RING						370,924	950,957	768	342	96	79	-	6	5	6	11	9	30	8	13	25
30:1	Carshalton <i>wL</i>	-	12228	21118	10	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epsom (part of) <i>* WwH</i>	-	9971	10710	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
37:1	Godstone (part of) <i>*</i>	-	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i>	-	20851	101941	46	18	4	5	-	-	-	1	-	-	-	1	-	-	-	1	
2	Mitcham <i>w</i>	-	11697	17332	15	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	
39:1	Wimbledon <i>HHH</i>	-	3220	15950	13	5	1	2	-	-	-	-	-	-	-	-	-	-	1	-	
2	Kingston <i>WHH</i>	-	8549	36354	21	17	3	5	-	-	-	1	-	-	-	1	-	-	-	4	
3	Esher (part of) <i>*</i>	-	6601	9221	11	3	-	1	-	-	-	-	-	-	-	-	-	-	1	-	
4	Hampton <i>H</i>	-	4273	13339	12	7	2	2	-	-	-	-	-	-	-	-	1	1	-	-	
40:1	Richmond <i>WH</i>	-	2272	21302	14	5	1	2	-	-	-	1	-	-	-	-	-	-	-	2	
2	Mortlake	-	2041	12331	13	6	2	4	-	-	-	-	2	-	-	-	-	1	-	-	
41:1	Bromley (pt. of) <i>* HH</i>	-	15669	31142	1	2	1	1	-	-	-	1	-	-	-	-	-	-	-	-	
2	Chislehurst (pt. of) <i>* WHH</i>	-	14507	13844	7	7	1	4	-	-	-	-	1	-	-	-	-	-	3	-	
42:1	Bexley <i>H</i>	-	13457	24134	20	7	3	2	-	-	-	-	-	-	-	1	-	-	-	-	
2	Dartford ( <i>Ww</i> , pts. of) <i>*</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>w</i>	-	11055	11855	7	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i>	-	13277	12069	3	5	-	1	-	-	-	-	-	-	-	-	1	1	1	-	
125:1	Hillingdon <i>WHH</i>	-	6029	10802	4	3	-	-	-	-	-	-	-	-	-	-	1	1	-	-	
2	Uxbridge	-	6173	3225	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i>	-	14887	11523	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
126:1	Isleworth <i>WHH</i>	-	7008	2227	16	14	2	3	-	3	-	-	1	-	-	1	1	2	2	-	
2	Twickenham <i>H</i>	-	2477	12479	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i>	-	4345	27649	24	7	2	2	-	3	-	-	-	-	-	-	-	1	-	-	
4	Chiswick	-	1340	15975	16	2	-	-	-	1	-	-	1	-	-	1	-	-	-	-	
5	Acton <i>wH</i>	-	6083	22376	17	4	-	1	-	-	-	-	1	-	-	-	1	1	1	-	
127:1	Harrow <i>H</i>	-	13809	12796	10	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
2	Edgware <i>H</i>	-	6994	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden	-	4383	27433	36	15	7	1	-	-	-	-	-	1	3	-	-	-	-	-	
4	Hendon <i>W</i>	-	6332	10434	14	4	1	1	-	-	-	-	-	-	1	-	-	-	1	-	
137:1	Bushey	-	9331	6621	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of) <i>*</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms	-	11579	6391	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet	-	5413	10092	4	2	1	1	-	-	-	-	-	-	-	-	-	-	1	-	
3	Finchley <i>HL</i>	-	4683	17615	11	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
135:1	Hatfield (part of) <i>*</i>	-	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i>	-	3039	37078	33	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Tottenham <i>H</i>	-	4642	45456	61	27	8	2	-	-	-	1	2	3	2	2	2	2	2	-	
3	Edmonton <i>Ww</i>	-	7453	23463	20	13	4	3	-	1	-	1	-	-	4	-	-	-	2	-	
4	Enfield <i>WH</i>	-	12653	19104	13	3	2	-	-	-	-	-	-	-	3	-	-	-	-	-	
5	Waltham Abbey	-	11017	5365	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt	-	8490	7735	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
136:1	Stratford	-	382	33606	23	12	5	3	-	-	-	-	-	-	-	1	-	-	-	-	
2	West Ham <i>wvH</i>	-	4055	90347	107	46	15	9	-	-	1	2	-	2	7	1	1	-	-	-	
3	East Ham <i>wv</i>	-	3294	10706	23	7	2	-	-	1	-	-	-	-	-	-	-	-	-	-	
4	Leyton <i>WwL</i>	-	4372	32430	48	20	3	4	-	-	-	2	-	-	-	-	-	-	-	5	
5	Walthamstow <i>H</i>	-	6520	28369	32	20	8	3	-	-	-	-	2	2	2	-	-	-	-	-	
137:1	Chigwell (part of) <i>* H</i>	-	11761	9669	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W</i> , pt. of) <i>*</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of) <i>* W</i>	-	6730	3411	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford	-	3493	7645	2	5	1	3	-	-	-	-	1	1	-	-	-	-	-	-	
3	Barking Town	-	4127	9203	5	6	3	-	-	-	-	-	-	-	2	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:  
 20: 2, Epsom sub-district, except the parishes of Ashted and Headley (pop. 1235); 37: 1, the parishes of Warrington and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 247); 135: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 43: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 20th September, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
			From All Causes.	From Diseases in Cols. 8-14.		Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
GREATER LONDON	448,334	5,758,500	15.5	2.7	1717	472	373	-	39	19	41	49	30	124	51	384		
INNER LONDON -	77,410	4,421,061	16.2	2.8	1375	376	294	-	33	14	35	38	21	94	43	359		
OUTER RING -	370,924	1,336,339	13.3	2.6	342	96	79	-	6	5	6	11	9	30	8	25		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700,522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN.	BIRTHS.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA -	433,219	August 9	-	138	22.6	2	1	-	-	3	86	17†	
BOMBAY -	775,196	" 26	327	385	21.6	-	1	?	?	?	120	36	
MADRAS -	398,777	" 1	364	371	48.3	-	3	?	?	?	99	92‡	
BRIS -	2,260,945	September 13	989	793	18.2	-	20	6	24*	6	17	106	
BRUSSELS -	477,288	" 13	216	130	20.1	1	2	1	-	2	6	29	
(th 8 Faubourgs.)													
AMSTERDAM -	406,302	" 13	271	132	16.9	-	-	-	3	4	2	1	
ROTTERDAM -	203,486	" 13	133	71	18.1	-	1	-	-	2	-	2	
THE HAGUE -	156,487	" 13	114	48	15.9	-	5	-	-	-	-	-	
COPENHAGEN -	312,387	" 13	165	125	20.9	-	4	5	4	2	1	13	
STOCKHOLM -	236,350	" 6	137	90	19.8	-	-	6	4*	1	1	21	
CHRISTIANIA -	143,300	" 13	38	54	19.6	-	-	3	7	-	1	7	
S. PETERSBURG -	842,000	" 6	-	568	22.8	2	2	11	10	-	9	68	
BERLIN -	1,526,887	August 30	789	822	27.7	-	2	8	34	14	3	312	
HAMBURG (State) -	575,276	September 6	413	216	19.6	-	5	1	6*	3	1	34	
DRESDEN -	269,250	" 6	146	95	18.3	-	2	1	3*	-	-	21	
BRISLAU -	324,400	" 13	220	184	29.6	-	-	6	9*	1	2	42	
MUNICH -	298,000	" 13	-	180	27.9	-	2	1	1	1	-	56	
VIENNA -	822,176	" 13	422	261	16.5	2	3	2	2	1	2	48	
PRAQUE -	314,425	" 13	-	142	23.5	-	5	3	2	3	-	5	
JUDA-PESTH -	463,017	" 6	318	192	21.6	-	-	9	15	1	2	23	
PIESTEN -	160,092	" 13	82	66	21.4	-	-	-	1	1	-	10	
ROME -	413,217	August 2	224	177	22.4	-	5	-	4	1	17‡	25	
TURIN (10 days) -	314,827	" 9	213	165	21.3	-	4	-	3	1	11‡	27	
ENICE -	156,515	August 30	60	71	23.7	9	-	-	1	-	3	17	
CAIRO -	374,839	" 21	374	392	54.4	-	-	-	1	2	20	159	
ALEXANDRIA -	231,306	" 21	163	205	46.1	-	-	-	2*	2	17	47	
NEW YORK -	1,617,997	" 30	-	716	22.8	-	8	1	20	8	11	130	
BROOKLYN -	859,612	" 30	-	397	23.8	-	2	-	10	9	4	75	
PHILADELPHIA -	1,064,277	" 30	-	390	19.1	-	1	3	11	7	14	36	
BALTIMORE -	500,343	" 30	-	167	16.3	-	-	-	3	5	8	21	
NEW ORLEANS -	254,000	" 16	-	107	22.0	-	1	-	-	-	2	6	
		" 23	-	112	23.0	-	1	-	2	1	2	3	

\* Including deaths from croup.

† Including 5 deaths from cholera in Calcutta, and 12 in Madras.

‡ Including 14 and 9 deaths respectively from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 20TH SEPTEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is 5 inches or more of the Ground.					
MONTH AND DAY.	Phases of the Moon.	BAROMETER. Mean daily reading corrected to sea level.	Of the Air.					Difference between the Air Temperature and Dew Point Temperature.			Degree of In- tensity (Sahu) 100.	Of Radiation.		Of the Water at Deptford.		Osler's.		Pressure on the Square Foot.		Robinson's.	Ozone.				
			High. est.	Low. est.	Daily Range.	Mean daily value.	De- parture from Average of 20 years.	Mean daily value.	Great- est.	Least.		High- est.	Low- est.	High- est.	Low- est.	A.M.	P.M.	Great- est.	Least.			Mean of 24 hours.	Horizontal Movement of the Air on each Day.	Depart- ure from Average of 16 Years.	
SEPTEMBER.																									
SUN. . 14	New.	30.056	70.3	46.3	24.0	57.7	0.0	6.7	16.9	0.0	78	126.7	39.9	62.6	62.0	0.6	0.0	152	0.0	0.0	in.	0.0			
MON. . 15	In Equator.	29.889	73.1	48.8	24.3	61.1	0.0	11.4	24.5	0.0	66	130.8	40.8	62.4	61.5	0.5	0.0	167	0.0	0.0	0.0	0.0			
TUES. . 16	..	29.806	75.5	49.4	26.1	62.5	0.0	5.2	22.8	0.0	67	132.2	38.5	62.6	61.6	1.3	0.0	155	0.0	0.0	0.0	0.0			
WED. . 17	..	29.728	73.5	51.2	22.3	61.4	0.0	4.3	54.1	7.3	77	128.2	45.0	62.8	62.0	0.8	0.0	140	0.0	0.0	0.15	1.2			
THURS. . 18	..	29.751	70.5	54.9	15.6	61.2	0.0	4.3	54.3	6.9	78	130.4	53.0	62.9	62.1	1.3	0.0	217	0.0	0.0	0.11	4.2			
FRI. . 19	..	29.711	71.1	62.0	19.1	59.1	0.0	2.3	53.2	5.9	81	132.4	49.7	63.3	62.4	1.0	0.0	187	0.0	0.0	0.02	2.8			
SAT. . 20	..	29.525	67.9	54.7	13.2	59.6	0.0	3.0	50.8	8.8	73	126.6	47.5	63.0	62.2	3.6	0.0	296	0.0	0.4	0.06	6.8			
MEANS .	..	29.782	71.7	51.0	20.7	60.4	0.0	8.3	19.1	0.3	74	129.6	44.9	62.8	62.0	..	..	Sum 1324	Sum -605	..	Sum	2.1			
No. of Col. .	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

DATE.		ELECTRICITY.		REGISTERED SUN ABOVE HORIZON.		GENERAL REMARKS.	
SEPTEMBER.		(For explanation of symbols, see Note.)		in hours.		in hours.	
SUNDAY . 14	W. P. . . . .	..	..	9.7	12.7	Very fine; generally cloudless; fog in morning.	
MONDAY . 15	Insulation defective in morning; W. P. afterwards.	..	..	10.8	12.6	Very fine; cloudless throughout; foggy in morning.	
TUESDAY . 16	W. P. . . . .	..	..	10.7	12.6	Very fine; cloudless throughout.	
WEDNESDAY 17	W. P. generally, with S. N. and S. P. between 7h. P.M. and 8h. P.M.	..	..	2.8	12.5	Fine and partially cloudy till afternoon; overcast and showery afterwards; lightning and thunder between 7h. P.M. and 8h. P.M.	
THURSDAY . 18	W. P. till 5h. P.M.; S. N. till 7h. P.M.; W. P. afterwards.	..	..	3.9	12.4	Cloudy; fine till afternoon; rain in evening.	
FRIDAY . 19	W. P. generally	..	..	6.7	12.3	Fine and partially cloudy till night; then overcast, with rain after 11h. P.M.	
SATURDAY . 20	W. P. . . . .	..	..	6.1	12.3	Overcast in early morning, with rain till 2h. A.M.; fine and partially cloudy afterwards.	
		Sum	Sum	50.7	37.4		

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. At 9h. P.M. the means of the observations are usually taken at 9h. A.M., noon, 3h. P.M., and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 30.07 in. at the beginning of the week to 29.72 in. by 9h. P.M. on the 17th; increased to 29.77 in. by 9h. P.M. on the 18th; decreased to 29.49 in. on the 19th; and increased to 29.52 in. on the 20th.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationery Office,  
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.*

No. 39. 1890. VOL. LI.] WEEK ENDING SATURDAY, SEPTEMBER 27. [Price 1½d.

*General Register Office, Somerset House,  
29th September, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·0 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.		Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.
Birkenhead	18·4	19·9	17·9	21·8	Liverpool -	22·2	22·8	22·1	25·8
Birmingham	17·6	21·2	19·0	17·2	London -	17·9	16·6	16·2	17·2
Blackburn -	20·3	15·6	30·0	27·4	Manchester -	30·4	25·4	31·6	32·6
Bolton -	22·1	20·3	20·7	23·9	Newcastle-on-Tyne	22·1	21·8	26·6	25·6
Bradford -	14·1	13·2	14·1	20·8	Norwich -	22·4	17·6	15·3	27·9
Brighton -	14·8	19·4	16·0	17·7	Nottingham -	13·6	13·4	15·8	14·3
Bristol -	14·1	15·9	14·4	15·0	Oldham -	14·6	22·4	19·9	22·7
Cardiff -	22·7	19·6	24·1	30·7	Plymouth -	15·9	27·8	19·9	28·5
Derby -	15·5	19·6	12·9	11·4	Portsmouth -	24·1	19·3	18·2	21·9
Halifax -	19·1	17·2	17·8	25·4	Preston -	25·3	23·3	35·7	32·2
Huddersfield	12·7	22·7	17·1	17·7	Salford -	22·4	19·6	20·9	21·3
Hull -	21·9	19·0	23·7	20·7	Sheffield -	18·3	23·5	25·2	20·8
Leeds -	18·5	17·5	21·9	21·9	Sunderland -	24·8	21·8	27·9	25·2
Leicester -	20·3	20·9	17·9	16·6	Wolverhampton -	28·1	21·3	20·0	24·4

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Birkenhead, 1·1 in Manchester, and 1·3 in Cardiff; from *scarlet fever*, 1·0 in Manchester, 1·3 in Wolverhampton, and 1·6 in Liverpool; from *whooping-cough*, 1·0 in Newcastle-upon-Tyne, 1·1 in Oldham and in Huddersfield, 1·9 in Halifax, and 2·2 in Norwich; from "*fever*," 1·0 in Birkenhead, 1·3 in Plymouth, and 2·0 in Preston; and from *diarrhoea*, 3·7 in Leeds, 3·9 in Hull, 4·6 in Blackburn, 5·2 in Bradford, 5·5 in Preston, 6·0 in Norwich, and 6·9 in Wolverhampton. The 58 deaths from *diphtheria* included 38 in London, 3 in Liverpool, 3 in Birmingham, 3 in Salford, 2 in Bristol, and 2 in Sheffield. One death from *small-pox* was registered in London, but not one in any of the twenty-seven provincial towns.

## LONDON.

In LONDON 2458 BIRTHS and 1458 DEATHS were registered. Allowing for increase of population, the births were 254 below, while the deaths exceeded by 36, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined from 19·6 to 16·2 in the preceding four weeks, increased again last week to 17·2. During the thirteen weeks ending on Saturday last the rate averaged 18·1 per 1000, being 0·8 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1458 deaths included one from small-pox, 22 from measles, 16 from scarlet fever, 38 from diphtheria, 29 from whooping-cough, 18 from enteric fever, 2 from ill-defined forms of continued fever, 86 from diarrhoea and dysentery, 6 from cholera and choleraic diarrhoea, and not one from typhus; thus, 218 deaths were referred to these diseases, exceeding by 7 the corrected average weekly number.

The death from *small-pox* occurred in the Metropolitan Asylum Hospital Ship "Atlas" at Dartford, and was of a male, aged 26 years, who had been removed from Greenwich workhouse; no case of this disease remained under treatment on Saturday last in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths from *measles*, which had steadily declined from 95 to 33 in the preceding seven weeks, further fell last week to 22, exceeding the corrected average, however, by 3. The fatal cases of *scarlet fever*, which had been 18 and 14 in the previous two weeks, increased again last week to 16, but were 24 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1681 scarlet-fever patients at the end of last week, the numbers on the preceding five Saturdays having increased from 1427 to 1596; 206 cases were admitted during the week, against numbers increasing from 118 to 211 in the preceding seven weeks. The deaths from *diphtheria*, which had been 18 and 35 in the previous two weeks, further increased last week to 38, exceeding the corrected average by 14. The 29 deaths from *whooping-cough* were fewer than the number in any previous week of this year, but still exceeded the corrected average by 6. The 86 deaths from *diarrhoea* showed a further slight decline, but were 11 above the corrected average; 75 were of children under five years of age, and 10 of persons aged 60 years and upwards. Three deaths were attributed to *choleraic diarrhoea*, and 3 to *infantile cholera*.

The fatal cases of *enteric fever*, which had numbered 18 and 21 in the preceding two weeks, declined again last week to 18, and were 4 below the corrected average. The Metropolitan Asylum Hospitals contained 140 cases of enteric fever, and one of typhus, on Saturday last; 21 cases of enteric fever were admitted during the week, against 25 and 20 in the preceding two weeks.

The 222 deaths referred to diseases of the respiratory organs exceeded the number in the previous week by 35, but were one below the corrected average.

Different forms of violence caused 52 deaths, concerning all but 2 of which inquests were held. Of these 52 deaths, 6 were cases of suicide, and one of manslaughter, while the remaining 45 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 3 by drowning, and 6 (including 5 of infants under one year of age) by suffocation. The death of a female, aged 5 years, which occurred at the London Hospital, was referred, after inquest, to "heart failure while under chloroform necessarily administered" for the purpose of an operation.

#### GREATER LONDON.

In Greater London 3338 births and 1867 deaths were registered, corresponding to annual rates of 30·2 and 16·9 per 1000 of the estimated population. In the Outer Ring 45 deaths were referred to diarrhoea, 11 to whooping-cough, 9 to diphtheria, 8 to measles, and 8 to "fever." Of the deaths from diphtheria, 2 occurred in Edmonton and 2 in West Ham sub-districts; 2 deaths from "fever" occurred in Hornsey sub-district, and 2 from scarlet fever in Edmonton sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·95 ins.; the lowest reading was 29·44 ins. on Sunday evening, and the highest 30·30 ins. on Thursday evening. The mean temperature of the *air* was 58°·8, and 2°·8 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average throughout the week, the excess on Saturday amounting to 7°·7. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 10·5 miles per hour, which was 0·3 of a mile below the average in the corresponding weeks of 16 years. *Rain* fell on Monday and Tuesday, to the aggregate amount of 0·31 of an inch. The duration of registered bright sunshine in the week was 24·9 hours, against 30·7 hours at Glynde Place, Lewes.

**TABLE 1.—BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 27th September 1890.**

[illegible]

See note on first page of this Return;



TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-NINTH Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2458	2518	2588	2399	2571	2516	2359	2420	2395	2504	2712·3	2458
Males . .	1268	1312	1309	1234	1317	1253	1331	1273	1219	1294	1396·9	1237
Females .	1185	1206	1229	1165	1254	1263	1228	1147	1176	1210	1315·4	1221
<b>TOTAL Deaths</b>	1353	1217	1449	1257	1243	1251	1350	1244	1314	1361	1421·9	1458
Males . .	704	635	745	662	648	660	714	655	679	669	738·4	790
Females .	649	582	704	595	595	591	636	589	635	692	683·5	668

\* The numbers in this column are the average weekly numbers in the thirty-ninth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	July 5.	July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.
<b>TOTAL Births</b>	2480	2472	2346	2512	2557	2176	2527	2487	2614	2469	2539	2355	2458
<b>TOTAL Deaths</b>	1481	1471	1522	1418	1693	1594	1751	1629	1659	1514	1410	1375	1458
Ages at													
{ 0–20 years	793	800	823	793	938	915	1019	964	911	796	687	667	740
{ 20–40 "	165	174	157	132	186	171	169	148	190	177	183	200	182
{ 40–60 "	239	214	249	227	232	225	263	233	265	240	238	214	236
Death													
{ 60–80 "	237	231	250	219	277	230	246	235	234	245	256	232	256
{ 80 years & upwards	47	52	43	47	50	53	54	49	59	56	46	62	44
"													
{ Under 1 year	423	428	445	433	554	549	635	603	525	459	395	376	429
{ 1–5 "	281	281	277	282	286	294	294	292	282	247	217	227	207
{ 5–20 "	89	91	101	73	98	72	90	69	104	90	75	64	104
Deaths from Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	2
" " Measles	100	99	104	94	82	95	80	73	60	56	39	33	22
" " Scarlet fever	13	20	12	13	19	17	27	16	24	18	18	14	16
" " Diphtheria	21	22	19	20	36	22	15	20	26	16	18	35	38
" " Whooping-cough	57	66	56	62	45	37	39	39	39	46	35	38	29
" " Typhus	—	—	—	—	—	—	—	—	—	—	1	—	—
" " Enteric fever	6	9	6	2	11	11	16	11	17	18	18	21	18
" " Simple Cont <sup>d</sup> fever	2	—	1	—	1	1	1	—	—	1	—	—	2
" " Diarrhoea and	85	107	111	107	177	176	262	255	180	128	117	94	86
" " Dysentery	—	—	—	—	—	—	—	—	—	—	—	—	—
" " Cholera	4	4	1	1	7	4	10	12	7	5	5	3	6
" " all the above-mentioned Diseases	288	327	310	299	378	363	450	426	353	288	251	238	218
" " Dis. of Respiratory System	244	225	216	185	215	197	208	203	184	180	210	187	222
" " Phthisis	115	132	150	110	147	126	129	119	167	139	136	157	130
" " Dis. of Circulatory System	105	108	117	107	118	119	113	116	100	120	114	136	104
Violent Deaths	55	40	49	56	73	50	75	54	57	54	55	43	52
Inquest Cases	97	100	113	111	134	103	128	105	105	98	109	83	103
Deaths in Public Institutions	311	321	347	383	405	373	408	343	364	391	360	360	377
TEMPERATURE OF THE AIR													
Mean	55·7	55·7	61·4	61·6	62·9	62·6	61·1	59·0	54·4	58·4	59·4	60·4	58·8
Mean of Highest readings	66·6	65·2	72·1	73·9	74·4	73·8	73·2	69·0	66·5	71·0	73·2	69·2	69·2
Mean of Lowest readings	48·6	48·4	54·3	52·6	53·9	53·2	54·6	51·8	46·0	48·4	48·2	51·0	50·9
Humidity of the Air	84	83	81	75	77	77	82	81	80	83	79	74	83
Rain-fall in inches	1·77	0·86	2·08	0·08	0·11	0·00	0·78	1·00	0·67	0·00	0·00	0·34	0·31
Registered Sunshine (in hours)	23·5	17·9	21·7	44·6	31·9	30·5	32·6	31·9	36·5	26·8	48·6	50·7	24·9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by G. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whiteledge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-NINTH Week of the Year 1890.

CAUSES OF DEATH.		Corrected Averages for the 38th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 27th September 1890.										CAUSES OF DEATH.		Corrected Averages for the 38th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 27th September 1890.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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			ALL AGES.			Under 20.			20 and under 40.		40 and under 60.					60 and under 80.		80 Years and upwards.		ALL AGES.			Under 20.			20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET, during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION		Unnum- bered Popu- lation. 1881	Total Births.	Total Deaths.	Deaths of													Inquest Cases	Deaths in Public Institutions.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 10 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued fever.	Diarrhoea.	Violence.			
LONDON		3,815,704	2458	1458	429	300	1	22	16	33	29	-	18	2	86	52	103	377	
WEST DISTRICTS		689,633	367	210	59	54	-	3	-	1	1	-	-	-	1	-	2	3	
NORTH DISTRICTS		905,947	523	324	71	80	-	3	7	12	5	-	5	2	14	9	22	58	
CENTRAL DISTRICTS		382,288	138	95	26	22	-	1	-	5	2	-	-	-	4	7	7	41	
EAST DISTRICTS		692,738	459	313	103	52	-	8	3	13	8	-	8	-	23	14	29	77	
SOUTH DISTRICTS		1,265,148	966	491	170	89	-	7	5	7	13	-	3	-	31	11	20	82	
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	24	-	3	1	-	1	-	-	-	-	-	-	-	-	24	
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.		68888	47	25	11	6	-	-	-	1	-	-	1	-	1	-	2	3	
St. John Paddington H - - - G.J.		87380	10	8	1	1	-	-	-	-	-	-	-	-	-	1	1	6	
Kensington Town Ww - - - W.M.		120141	57	33	10	15	-	-	-	-	-	-	-	-	3	-	3	10	
Brompton H - - - W.M. & C.		48010	18	12	3	3	-	-	-	-	-	-	-	-	-	-	1	4	
St. Peter Hammersmith - - - W.M.		7599	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H W.M. & G.J.		64340	57	20	2	7	2	-	-	-	-	-	-	1	1	4	3	1	
Fulham Ww - - - W.M. & C.		42900	70	23	10	7	-	-	-	-	-	-	-	3	-	1	2	2	
Chelsea South HHH - - - C.		30396	16	16	7	2	-	-	-	-	1	-	-	-	3	2	3	3	
Chelsea North-west WHHHHH C.		24925	10	13	1	4	-	-	-	-	-	-	-	-	1	2	7	7	
Chelsea North-east - - - C.		32807	12	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W - - - G.J.		80353	5	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave WHHH - - - C.		59220	13	21	4	6	-	1	-	-	-	-	1	-	1	3	6	10	
St. John Westminster HHH - - C.		35498	20	4	2	-	-	-	-	-	-	-	-	-	1	1	1	-	
St. Margaret Westminster H - - C.		24879	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	3	
St. James Westminster WHH N.R. & G.J.		29941	13	4	1	1	-	-	-	-	-	-	-	-	-	-	-	1	
St. Anne Soho HHHHHH - - N.R.		18608	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.		28769	17	11	1	3	-	-	-	-	-	-	-	-	-	1	6	-	
Cavendish Square HHHH - - W.M.		14391	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone WH G.J. & W.M.		24809	6	5	2	2	-	-	-	-	-	-	-	-	1	-	-	2	
St. Mary Maryleb. HHH G.J. & W.M.		21118	23	4	1	3	-	-	-	-	1	-	-	-	-	-	-	-	
Christchurch Marylebone HH - - W.M.		33700	21	5	2	-	-	-	-	-	-	-	-	-	1	-	2	-	
St. John Marylebone H - - - W.M.		33633	11	2	-	1	-	-	-	-	-	-	-	-	-	1	-	5	
Hampstead WwHHHH N.R. & W.M.		45452	28	16	3	3	1	1	1	-	-	-	-	-	-	-	-	-	
Regent's Park Paneras H - - W.M.		39115	13	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Tottenham-court WHHHH N.R. & W.M.		27729	13	15	3	4	-	-	-	1	-	-	-	1	1	1	-	-	
Gray's Inn Lane HHH - - - N.R.		30247	18	14	3	2	-	-	-	2	-	-	-	1	1	2	13	-	
Somers Town H - - - N.R.		84369	20	10	3	2	-	-	-	-	-	-	-	1	3	3	8	-	
Camden Town WH - - - N.R.		17311	19	8	1	2	-	-	-	-	-	-	-	-	-	2	-	-	
Kentish Town W - - - N.R.		87487	51	39	7	15	1	-	2	-	-	-	-	4	-	-	1	3	
Upper Holloway WwHH - - N.R.		67946	44	84	6	10	-	-	-	-	-	-	-	1	-	1	13	-	
Islington South-west H - - N.R.		100976	55	28	6	8	-	-	-	-	-	-	-	1	-	1	16	-	
Islington South-east - - - N.R.		61825	41	23	9	5	-	-	1	-	-	-	-	2	2	4	-	1	
Highbury H - - - N.R.		52045	23	12	3	2	-	-	-	-	-	-	-	-	-	2	-	-	
Stoke Newington H - - - N.R.		22781	12	9	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill - - - E.L.		9277	10	8	1	1	-	-	-	-	-	-	1	-	-	1	-	-	
West Hackney H - - - N.R.		87610	29	9	3	1	-	1	-	-	-	-	-	-	-	-	-	-	
Hackney WwHHH - - - E.L. & N.R.		78911	52	30	7	8	-	5	6	2	1	-	3	-	1	2	2	2	
South Hackney - - - E.L.		39853	18	19	6	4	-	-	-	-	1	-	1	-	1	1	26	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - - N.R.		16681	7	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	
St. Giles South WH - - - N.R.		14864	9	4	2	-	-	-	-	-	-	-	-	-	-	1	1	-	
St. Giles North H - - - N.R.		13857	7	7	3	2	-	-	-	-	-	-	-	-	-	1	1	-	
St. Martin-in-the-Fields HHN R. & C.		17508	6	4	1	-	-	-	-	-	-	-	-	-	-	1	1	3	
St. Mary-le-Strand H - - - N.R.		7515	4	6	1	1	-	-	-	-	-	-	-	-	-	1	1	3	
St. Clement Dances H - - - N.R.		8559	3	4	2	-	-	-	-	-	-	-	-	-	-	-	-	4	
Strand Union Workhouse, Edmonton w.		-	-	5	1	3	-	-	-	-	-	-	-	-	-	-	-	1	
St. Geo.-the-Martyr HHHHHH N.R.		18671	5	3	-	1	-	-	-	-	-	-	-	-	-	-	-	5	
St. Andrew Eastern W - - - N.R.		10706	3	2	-	-	-	-	-	1	-	-	-	-	-	-	-	2	
Saffron Hill H - - - N.R.		6533	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell - - - N.R.		17518	15	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell - - - N.R.		19281	9	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pentoville - - - N.R.		14773	7	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-	
Goosewell-street - - - N.R.		17506	6	6	2	1	-	-	-	-	-	-	-	1	-	-	-	-	
Old-street H - - - N.R.		11541	7	5	2	1	-	-	-	-	1	-	-	-	-	-	-	-	
City-road HHL - - - N.R.		18628	27	4	2	-	-	-	-	-	-	-	-	-	1	1	-	-	
Whitecross-street - - - N.R.		9217	5	3	1	2	1	-	-	-	1	-	-	-	-	-	-	-	
Finsbury - - - N.R.		7468	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Holborn Union Workhouse, Mitcham w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph H - - - N.R. & E.L.		11174	2	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
Cripplegate - - - N.R.		7128	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
St. Sepulchre H - - - N.R.		5358	4	22	1	6	-	-	-	-	-	-	-	-	-	-	-	1	
St. Bride W - - - N.R.		8398	2	1	-	1	-	-	-	3	-	-	-	-	-	2	2	91	
Allhallows Barking - - - N.R.		18666	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street H - - - N.R.		5633	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: *W*—Workhouse; *H*—Hospital; *L*—Lunatic Asylum; *L*—Private Lunatic Asylum in which paupers are received; *w*—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—*G. J.*, signifies Grand Junction Company; *W. M.*, West Middlesex; *C.*, Chelsea; *S.*, Southwark and Vauxhall; *L.*, Lambeth; *N. R.*, New River; *E. L.*, East London; and *K.*, the Kent Company.

REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from													Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
EAST DISTRICTS.																				
Reddish South	HL*	-	-	N.R.	22348	8	8	4	1	-	-	-	-	-	-	-	-	-		
St. New Town	W	-	-	N.R.	29337	25	14	7	5	-	-	-	-	-	-	-	-	-		
St. Old Town	-	-	-	N.R.	29336	13	6	1	3	-	-	-	-	-	-	-	-	-		
St. George's	WH	-	-	N.R. & E.L.	46275	32	19	6	1	-	-	-	-	-	-	-	-	-		
St. Green North	H	-	-	E.L.	51157	27	14	6	2	-	-	-	-	-	-	-	-	-		
St. Green South	-	-	-	E.L.	34399	26	14	7	3	-	-	-	-	-	-	-	-	-		
St. Green East	WHL*	-	-	E.L.	41405	24	24	2	11	-	-	-	-	-	-	-	-	-		
St. Aldgate	-	-	-	E.L. & N.R.	22585	9	2	2	3	-	-	-	-	-	-	-	-	-		
St. End New Town	W	-	-	E.L.	15473	9	13	8	3	-	-	-	-	-	-	-	-	-		
St. Chapel Church	H	-	-	E.L. & N.R.	17490	9	25	6	1	-	-	-	-	-	-	-	-	-		
St. Martin's Fields	-	-	-	E.L.	9713	6	-	-	-	-	-	-	-	-	-	-	-	-		
St. George's	-	-	-	N.R. & E.L.	6102	3	3	1	-	-	-	-	-	-	-	-	-	-		
St. George's, North	-	-	-	E.L.	38747	20	15	3	3	-	-	-	-	-	-	-	-	-		
St. John, St. George East	W	-	-	E.L.	8410	8	8	-	4	-	-	-	-	-	-	-	-	-		
St. James	-	-	-	E.L. & N.R.	10335	10	15	9	-	-	-	-	-	-	-	-	-	-		
St. John H	-	-	-	E.L.	16107	9	7	6	-	-	-	-	-	-	-	-	-	-		
St. John's	-	-	-	E.L.	32041	22	6	3	2	-	-	-	-	-	-	-	-	-		
St. End Old Town West	H	-	-	E.L.	87960	31	21	7	2	-	-	-	-	-	-	-	-	-		
St. End Old Town East	WHL	-	-	E.L.	67653	35	23	7	4	-	-	-	-	-	-	-	-	-		
St. Z	-	-	-	E.L.	37074	23	11	2	1	-	-	-	-	-	-	-	-	-		
St. Mary WWH	-	-	-	E.L.	64359	50	26	9	0	-	-	-	-	-	-	-	-	-		
St. Mary WWH	-	-	-	E.L.	55077	32	34	12	1	-	-	-	-	-	-	-	-	-		
SOUTH DISTRICTS.																				
St. Andrew Southwark	WH	-	-	L. & S.	15663	6	6	3	1	-	-	-	-	-	-	-	-	-		
St. Saviour Southwark	-	-	-	S.	14999	9	8	3	-	-	-	-	-	-	-	-	-	-		
St. Andrew Southwark	-	-	-	S. & L.	21381	17	6	3	1	-	-	-	-	-	-	-	-	-		
St. Andrew Southwark	-	-	-	S. & L.	15963	11	10	8	1	-	-	-	-	-						



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 27th September, 1900)

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- mer- ated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON - OUTER RING		370,924	950,957	880	409	146	83	-	8	3	9	11	8	45	16	22	37	
30:1	Carshalton wL -	12228	21113	15	4	2	-	-	-	-	1	-	-	2	-	-	-	
2	Epsom (part of)* WwH	9971	10710	5	2	1	-	-	-	-	-	-	-	-	-	-	-	
37:1	Godstone (part of)* -	2754	1235	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
33:1	Croydon Ww L -	20851	101241	67	41	8	15	-	2	-	1	-	1	2	-	-	9	
2	Mitcham w -	11697	17932	16	5	2	-	-	-	-	-	-	-	-	-	-	-	
39:1	Wimbledon HHH -	3220	15960	9	8	1	-	-	-	-	-	-	-	-	-	-	-	
2	Kingston WHH -	8549	36354	24	11	6	1	-	-	-	-	-	-	2	-	-	2	
3	Esher (part of)* -	6601	9221	5	3	1	-	-	-	-	-	-	-	-	1	1	-	
4	Hampton H -	4573	13539	11	3	1	1	-	-	-	-	1	-	-	1	1	-	
40:1	Richmond WH -	2272	21302	7	6	2	3	-	-	-	-	-	-	-	2	2	1	
2	Mortlake -	2941	12331	13	4	2	1	-	-	-	-	-	-	-	1	1	-	
41:1	Bromley (pt. of)* HH	15669	81142	39	12	3	2	-	2	-	-	-	-	1	1	1	-	
2	Chislehurst (pt. of)* WHH	14307	15344	9	2	1	1	-	-	-	-	-	-	-	-	-	-	
42:1	Bexley H -	13437	24134	22	5	1	1	-	-	-	-	-	-	1	1	2	-	
2	Dartford (Ww, pts. of)* -	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	2	
124:1	Sunbury w -	11055	11688	7	8	4	-	-	-	-	1	1	-	-	-	1	-	
2	Staines W -	13277	12089	9	5	2	-	-	-	-	-	1	-	-	-	-	-	
125:1	Hillingdon WHH -	6029	10802	14	3	1	-	-	-	1	-	-	-	-	-	-	-	
2	Uxbridge -	6178	3225	3	2	2	-	-	-	-	-	-	-	1	-	-	-	
3	Hayes wHL -	14587	11523	6	3	-	-	-	1	-	-	1	-	-	-	-	1	
126:1	Isleworth WHH -	7008	22727	11	6	2	2	-	-	-	-	1	1	-	1	1	1	
2	Twickenham H -	2477	12479	6	3	1	1	-	-	-	-	-	-	1	-	-	-	
3	Brentford HL -	4845	27649	25	14	4	4	-	1	-	-	-	-	3	-	1	3	
4	Chislewick -	1340	15975	9	5	2	1	-	-	-	-	-	-	-	-	-	-	
5	Acton wH -	6083	22376	24	15	7	3	-	-	-	-	1	-	-	-	-	-	
127:1	Harrow H -	13809	12796	8	3	-	1	-	-	-	-	-	-	-	-	-	-	
2	Edgware H -	6994	3749	-	1	1	1	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	32	14	5	2	-	-	-	1	-	-	3	-	-	-	
4	Hendon W -	8382	10434	7	4	2	1	-	-	-	-	-	-	2	-	-	-	
127:1	Bushey -	9331	6621	3	1	-	-	-	-	-	-	-	-	-	-	1	-	
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms -	16599	6391	-	4	-	-	-	-	-	-	-	-	1	-	-	-	
2	Barnet -	5433	10092	8	4	-	2	-	-	-	-	-	-	-	-	-	2	
3	Finchley HL -	4683	17615	15	2	1	-	-	-	-	-	-	-	-	-	-	-	
128:1	Hatfield (part of)* -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey H -	9039	37076	23	12	3	5	-	-	-	-	1	2	-	-	-	-	
2	Tottenham H -	4642	46456	64	21	5	4	-	-	-	-	-	1	2	1	2	2	
3	Edmonton Ww -	7483	23463	21	15	4	3	-	-	2	2	-	-	2	-	-	3	
4	Enfield WH -	12653	19104	15	13	6	2	-	1	-	-	1	-	3	1	1	-	
5	Waltham Abbey -	11017	5263	3	1	-	1	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt -	8480	7735	9	1	-	-	-	-	-	-	-	-	-	1	1	-	
130:1	Stratford -	882	38606	42	17	8	2	-	-	-	-	-	-	-	1	1	1	
2	West Ham wvH -	4055	90347	110	54	19	9	-	1	-	2	1	1	10	1	2	-	
3	East Ham wv -	3296	10706	24	13	11	1	-	-	-	-	-	-	2	1	1	-	
4	Leyton WwL -	4372	32430	52	30	14	6	-	-	-	-	2	-	2	-	-	8	
5	Walthamstow H -	6520	23869	30	17	8	3	-	-	-	1	-	1	4	-	-	-	
137:1	Chigwell (part of)* H	11761	9669	5	2	1	1	-	-	-	-	-	-	-	-	-	-	
2	Epping (W, pt. of)* -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
139:1	Romford (part of)* W	6730	3411	2	3	2	-	-	-	-	-	-	-	-	-	-	1	
2	Ilford -	3493	7645	6	4	-	1	-	-	-	-	-	-	-	1	1	-	
3	Barking Town -	4127	9203	24	5	1	1	-	-	-	-	-	-	-	1	1	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Waltham and Farley in Gillingham district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Canning and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chislehurst (pop. 247); 135:1, the parish of Northaw in the sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 27th September, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
ATER LONDON	448,334	5,758,500	16.9	2.7	1867	575	333	1	30	19	47	40	23	131	68	414		
INNER LONDON -	77,410	4,421,661	17.2	2.5	1458	429	300	1	22	16	33	29	20	86	52	377		
UTER RING -	870,924	1,336,839	16.0	8.3	400	143	83	-	8	3	9	11	8	45	16	37		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CUTTACK	433,219	August 16	-	-	-	-	-	-	-	-	-	-	-
CALCUTTA	773,196	September 2	409	330	21.3	1	4	?	?	?	109	35†	
COCHIN	398,777	August 8	448	403	52.5	-	6	?	?	?	95	113†	
CHINA	2,260,945	September 20	837	865	19.9	-	10	1	33*	11	13	122	
CHINA (8 Faubourgs.)	477,288	" 20	212	136	20.3	2	-	-	1	2	7	32	
AMSTERDAM	406,362	" 20	247	117	14.9	-	-	-	1	4	1	-	
AMSTERDAM	203,486	" 20	151	67	17.0	-	-	-	1	2	-	-	
THE HAGUE	156,497	" 20	110	60	19.9	-	3	-	-	-	-	-	
COPENHAGEN	312,387	" 20	182	142	23.7	-	2	1	6	5	1	12	
STOCKHOLM	236,350	" 13	118	80	17.6	-	-	5	-	4	-	18	
CHRISTIANIA	143,300	" 20	65	42	15.2	-	-	3	3	-	2	7	
PETERSBURG	842,000	" 13	-	354	21.9	6	4	13	4	4	5	60	
BERLIN	1,526,887	" 6	839	734	24.7	-	4	7	27	10	6	227	
BRUSSELS (State)	675,276	" 13	412	202	18.3	-	3	3	5*	3	6	31	
BRUSSELS	269,250	" 13	175	99	19.1	-	1	-	4*	-	1	19	
BRATISLAVA	324,400	" 20	243	192	30.9	-	-	4	8*	5	3	24	
BRATISLAVA	298,000	" 20	-	137	23.9	-	1	-	4*	3	1	34	
BUDAPEST	822,176	" 20	379	264	16.7	-	5	1	8	2	1	32	
BUDAPEST	314,425	" 20	-	142	23.6	-	-	1	-	1	2	6	
BUDAPEST	463,017	" 13	317	196	22.0	-	-	4	9	-	2	29	
BUDAPEST	160,092	" 20	89	69	22.4	-	-	-	5	-	2	13	
BUDAPEST	418,217	August 16	222	174	21.8	-	3	-	1	1	19†	37	
BUDAPEST	314,827	" 23	234	193	25.0	-	2	-	-	-	22†	30	
BUDAPEST (10 days)	314,827	" 10	304	156	18.0	2	1	-	-	1	6	29	
BUDAPEST	156,515	September 6	86	85	28.3	11	1	-	2	1	-	20	
BUDAPEST	374,838	August 23	573	393	54.5	-	-	-	3*	1	17	152	
BUDAPEST	231,896	" 23	201	210	47.2	-	-	-	2*	2	6	51	
BUDAPEST	1,617,997	September 6	-	717	22.8	-	7	1	11	11	15	110	
BUDAPEST	859,612	" 6	-	378	22.6	-	1	2	3	4	3	73	
BUDAPEST	1,064,277	" 6	-	382	18.7	-	-	3	4	5	25	38	
BUDAPEST	500,343	" 6	-	158	16.4	-	-	-	4	6	6	10	
BUDAPEST	254,000	August 30	-	106	21.8	-	-	-	1	1	1	4	

\* Including deaths from croup.

† Including 1 death from cholera in Bombay, and 21 in Madras.

‡ Including 16 and 14 deaths respectively from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 27TH SEPTEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										Difference between the Air, Temperature and Dew Point Temperature.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is 5 inches above the level of Ground.	
MONTH AND DAY.	Phases of the Moon.	HAZ. MATH.	Of the Air.				Of the Dew Point.		Of the Dew Point Temperature.		Degree of Humidity (Sat. = 100.)	Of Radiation.		Of the Thames at Deptford.		Osler's.		Robinson's.		Barom. on each of 10 Years.					
			High. est.	Low. est.	Daily Range, value.	Mean daily value.	De- pature Average value.	Mean daily value.	Great- est.	Least.		High- est.	Low- est.	High- est.	Low- est.	General Direction.	Pressure on the Square Foot.	Great. est.	Least.		Mean of 24 hours on each Day.	Horizontal Motion of the Air on each Day.	Miles.		
SEPTEMBER.																									
SUN. . 21	First Qr.	29-514	63-5	50-9	17-6	59-7	+ 3-3	51-6	8-1	16-7	0	1-8	75	132-0	43-8	62-8	62-0	SSW. & SE.	3-0	0-0	0-3	285	+ 20	0-00	4-0
MON. . 22	Greatest Dec. S.	29-602	67-1	52-8	14-3	58-0	+ 1-8	52-1	5-9	13-9	0-0	0-0	81	124-2	49-3	62-6	61-6	SSW.	2-0	0-0	0-2	275	+ 12	0-06	3-0
TUES. . 23	..	29-785	70-0	50-1	19-9	57-3	+ 1-2	52-7	4-6	16-2	0-0	0-0	85	130-5	44-1	62-6	61-6	SW.	1-4	0-0	0-0	177	- 84	0-25	4-0
WED. . 24	..	30-060	69-0	49-1	19-9	57-6	+ 1-7	50-9	6-7	16-9	0-0	0-0	79	133-0	41-0	62-2	61-4	WSW. & SW.	1-8	0-0	0-1	277	+ 13	0-00	0-0
THURS. . 25	..	30-233	66-0	48-6	17-4	56-9	+ 1-1	50-6	6-3	14-8	0-0	0-0	80	105-1	40-4	61-9	61-1	SW. WSW. & WNW.	0-2	0-0	0-0	212	- 45	0-00	0-0
FRI. . 26	Perigee.	30-253	69-4	49-0	20-4	58-8	+ 3-1	56-2	2-6	11-0	0-0	0-0	91	116-3	42-5	61-6	60-6	WSW.	1-5	0-0	0-2	342	+ 86	0-00	0-0
SAT. . 27	..	30-222	74-1	55-8	18-3	63-2	+ 7-7	60-2	3-0	11-7	0-0	0-0	90	112-3	49-9	61-6	60-8	SW. & SSW.	0-0	0-0	0-0	192	- 63	0-00	0-0
MEANS	..	29-953	69-2	50-9	18-3	58-8	+ 2-8	53-5	5-3	14-5	0-3	0-3	83	122-6	44-4	62-2	61-3	SW. & WSW.	..	..	..	Sum 1760	- 56	Sum 0-31	1-6
No. of Col. .	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

The height of the cistern of the barometer is 159 feet above the mean level of the sea ; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h, a.m.; 3h, p.m.; and 9h, p.m. The means of the 24-hr readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted into mean daily values by the application of corrections deduced from a discussion of the meteorologic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1883 for the thermometer. The mean reading of the dry bulb thermometer is combined with the corrected mean of the readings of the minimum and maximum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Gish's Hygro-

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1898, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—F. positive; N. negative; w. weak; m. moderate; s. strong; and variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the approximate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the whole day or from midnight to midnight.

The reading of the barometer decreased from 29·57 in. at the beginning of the week to 29·44 in. by 8 h. P.M. on the 21st; increased to 30·30 in. by 9 h. P.M. on the 25th; and decreased to 29·95 in. on the 26th.

## GENERAL REMARKS.

SUNDAY	21	w. P. generally	4.3	12.2	Fine with variable amounts of light till 8h. P.M.; generally overcast afterwards; occasional lightning in evening; showery at night.
MONDAY	22	w. P. . . . .	6.0	12.2	Variable and showery till afternoon; cloudy afterwards.
TUESDAY	23	w. P. generally till 5h. P.M.; s. N. and P. till 1 P.M.; w. P. afterwards.	3.4	12.1	Fine till afternoon; cloudy afterwards; showery till evening; slight thunderstorm with heavy rain between 6h. P.M. and 6h. P.M.
WEDNESDAY	24	w. P. . . . .	5.0	12.0	Fine and partially cloudy till afternoon; generally cloudy afterwards.
THURSDAY	25	w. P. till afternoon; v. P. afterwards.	1.8	11.9	Fine; cloudy till evening; variable at night.
FRIDAY	26	w. P. . . . .	0.4	11.9	Variable in early morning; cloudy till evening; fine with little cloud at night.
SATURDAY	27	w. P. . . . .	4.0	11.8	Very fine in early morning; cloudy till afternoon; very fine and generally clouded afterwards.
			Sum	Sum	

# WEEKLY RETURN

OF  
BIRTHS AND DEATHS IN LONDON  
AND IN  
TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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General Register Office, Somerset House,  
6th October, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·3 per 1000 of their aggregate population, which is estimated at \*9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.		Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.
Birkenhead	19·9	17·9	21·8	22·3	Liverpool - -	22·8	22·1	25·8	22·0
Birmingham	21·2	19·0	17·2	16·7	London - -	16·6	16·2	17·2	16·7
Blackburn -	15·6	30·0	27·4	25·3	Manchester -	25·4	31·6	32·6	30·6
Bolton -	20·3	20·7	23·9	16·7	Newcastle-on-Tyne	21·8	26·6	25·6	31·4
Bradford -	13·2	14·1	20·8	22·1	Norwich -	17·0	15·8	27·9	28·4
Brighton -	19·4	16·0	17·7	18·6	Nottingham -	13·4	15·8	14·3	18·7
Bristol -	15·9	14·1	15·0	14·1	Oldham - -	22·4	19·9	22·7	16·3
Cardiff -	19·6	24·1	30·7	20·1	Plymouth - -	27·8	19·9	28·5	33·1
Derby -	19·6	12·9	11·4	10·3	Portsmouth -	19·3	18·2	21·9	16·4
Halifax -	17·2	17·8	25·4	17·2	Preston - -	23·3	35·7	32·2	34·2
Huddersfield	22·7	17·1	17·7	18·8	Salford - -	19·6	20·9	21·3	20·0
Hull - -	19·0	23·7	20·7	18·8	Sheffield - -	23·5	25·2	20·8	26·6
Leeds -	17·5	21·9	21·9	18·9	Sunderland -	21·8	27·9	25·2	26·0
Leicester -	20·9	17·9	16·6	15·5	Wolverhampton -	21·3	20·0	24·4	22·5

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·0 in Preston, 1·1 in Manchester, 1·3 in Brighton and in Cardiff, and 2·5 in Birkenhead; from *scarlet fever*, 1·0 in Liverpool and in Derby and 1·2 in Manchester; from *whooping-cough*, 1·6 in Norwich; from "*fever*," 1·1 in Norwich, 1·3 in Plymouth, and 2·0 in Birkenhead; and from *diarrhœa*, 3·0 in Nottingham and in Birkenhead, 3·1 in Sunderland, 3·2 in Leeds and in Hull, 3·4 in Blackburn, 3·6 each in Manchester, Sheffield, and Cardiff, 3·9 in Bradford, 4·1 in Bolton, and 6·4 in Preston. The 49 deaths from *diphtheria* included 28 in London, 4 in Salford, 3 in Liverpool, and 2 each in Norwich, Preston, Sheffield, and Newcastle-upon-Tyne. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2433 BIRTHS and 1413 DEATHS were registered. Allowing for increase of population, the births were 255, and the deaths 52, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16·2 and 17·2 in the preceding two weeks, declined again last week to 16·7. During the thirteen weeks of the past quarter the rate averaged 18·1 per 1000, being 0·8 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1413 deaths included 30 from measles, 20 from scarlet fever, 28 from diphtheria, 18 from whooping-cough, 24 from enteric fever, one from an ill-defined form of continued fever, 105 from diarrhoea and dysentery, 3 from cholera and choleraic diarrhoea, and not one from small-pox or typhus; thus, 229 deaths were referred to these diseases, exceeding by 32 the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 4; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths from *measles*, which had steadily declined in the preceding eight weeks from 95 to 22, increased last week to 30, and exceeded the corrected average by 10. The fatal cases of *scarlet fever*, which had been 14 and 16 in the previous two weeks, further increased last week to 20, but were 25 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1777 scarlet-fever patients at the end of last week, the numbers on the preceding six Saturdays having increased from 1427 to 1681; 249 cases were admitted during the week, against 211 and 206 in the preceding two weeks. The deaths from *diphtheria*, which had increased from 16 to 38 in the preceding four weeks, declined again last week to 28, but exceeded the corrected average by 2; 3 deaths from this disease, which occurred in the North-Western Hospital, were of children who had been removed from one house in Oval Road, Camden Town. The 18 deaths from *whooping-cough* were fewer than the number in any previous week of this year, and were 4 below the corrected average. The deaths from *diarrhoea* and *dysentery*, which had declined in the preceding seven weeks from 262 to 86, numbered 105 last week, exceeding the corrected average by 51; 93 were of children under five years of age. One death was attributed to *cholera*, one to *cholera infantum*, and one to *choleraic diarrhoea*.

The deaths from *enteric fever*, which had been 21 and 18 in the previous two weeks, increased again last week to 24, and exceeded the corrected average by 2; of those which occurred in hospitals, one belonged to Willesden, one to West Ham, and one to Stratford sub-districts in the Outer Ring. The Metropolitan Asylum Hospitals contained 155 cases of enteric fever, and 2 of typhus, on Saturday last; 27 cases of enteric fever were admitted during the week, against 20 and 21 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been 187 and 222 in the preceding two weeks, further increased last week to 262, and exceeded the corrected average by 13.

Different forms of violence caused 61 deaths, concerning all but 3 of which inquests were held. Of these 61 deaths, 9 were cases of suicide, while the remaining 52 were attributed to accident or negligence. Eight of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 4 by drowning, and 11 (including 10 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3235 births and 1757 deaths were registered, corresponding to annual rates of 29·3 and 15·9 per 1000 of the estimated population. In the Outer Ring 17 deaths were referred to diarrhoea, 15 to measles, 10 to whooping-cough, 8 to diphtheria, and 5 to "fever." The deaths from measles included 4 in Acton and 3 in Croydon sub-districts; of the deaths from diphtheria, 2 each occurred in Tottenham, Leyton, and Walthamstow sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·94 ins.; the lowest reading was 29·55 ins. on Wednesday afternoon, and the highest 30·22 ins. on Thursday evening. The mean temperature of the *air* was 56°·7, and 2°·1 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average on every day except Thursday, the greatest excess being 5°·1 on Saturday. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 15·9 miles per hour, which was 5·4 miles above the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 36·9 hours, against 22·6 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 4th October 1890.

CITIES AND BOROUGHES.	POPULATION during the Week ending 4th Oct., 1890.		The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGHES.					
	BIRTHS.	DEATHS.	Deaths of		Deaths from						From All Causes.		to the Week's Deaths		Mean.			In Inches.	In Centi- metres.						
			Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	From Diseases in Cols. c-12.	High.				Low.	Fahrenheit.	Centigrade.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.
28 TOWNS	9,715,559	5839	3590	1173	654	-	74	61	49	40	58	377	184	218	582	65	19.3	3.5	74.0	36.6	54.8	12.67	0.18	0.46	- 28 TOWNS.
LONDON	4,421,661	2483	1413	433	294	-	30	20	28	18	25	105	61	107	335	13	16.7	2.7	73.0	42.3	56.7	13.72	0.00	0.00	LONDON.
BRIGHTON	123,659	58	44	12	9	-	3	-	1	1	1	6	2	3	9	4	18.6	3.4	65.0	41.0	54.8	12.67	0.08	0.20	BRIGHTON.
PORTSMOUTH	142,982	85	45	8	11	-	-	1	1	2	2	3	2	3	9	-	16.4	3.3	-	-	-	-	-	-	PORTSMOUTH.
NORWICH	95,352	56	52	16	14	-	-	-	2	3	2	3	2	2	10	1	33.1	4.6	74.0	41.6	56.2	13.44	0.13	0.33	NORWICH.
PLYMOUTH	78,780	50	50	13	13	-	-	-	1	-	-	-	8	6	11	10	14.1	2.5	65.0	40.5	55.6	13.11	0.20	0.51	PLYMOUTH.
BRISTOL	232,248	126	63	25	14	2	1	-	-	-	-	-	1	4	6	7	22.5	1.3	70.6	36.8	53.7	12.06	0.07	0.18	BRISTOL.
WOLVERHAMPTON	83,406	48	36	12	8	1	-	-	-	-	-	-	1	6	9	16	3	16.7	2.5	-	-	-	-	-	WOLVERHAMPTON.
BIRMINGHAM	461,865	274	148	59	19	-	-	2	1	1	1	17	6	9	16	3	16.7	2.5	-	-	-	-	-	-	BIRMINGHAM.
LEICESTER	154,344	85	46	20	7	-	-	-	1	1	2	7	2	4	9	-	15.5	3.0	-	-	-	-	-	-	LEICESTER.
NOTTINGHAM	244,900	123	88	28	20	1	-	-	1	1	1	14	4	6	6	1	18.7	3.8	72.8	36.6	55.2	12.89	0.02	0.05	NOTTINGHAM.
DERBY	100,871	44	20	8	3	-	-	-	-	-	-	4	6	1	1	9	-	22.3	7.9	-	-	-	-	-	DERBY.
BIRKENHEAD	105,049	56	45	19	7	5	-	-	-	1	4	6	1	1	8	-	22.0	4.8	61.8	47.6	55.0	12.78	0.43	1.09	BIRKENHEAD.
LIVERPOOL	613,463	332	259	76	43	7	7	12	3	3	3	29	8	8	32	11	16.7	5.0	-	-	-	-	-	-	LIVERPOOL.
BOLTON	115,816	61	37	16	7	-	-	-	-	1	1	9	-	-	4	1	16.7	5.0	-	-	-	-	-	-	BOLTON.
MANCHESTER	579,437	258	203	60	30	-	8	9	1	2	4	26	8	12	46	6	30.6	6.9	-	-	-	-	-	-	MANCHESTER.
SALFORD	245,909	144	93	37	9	-	1	2	4	1	4	1	1	1	6	3	20.0	4.7	-	-	-	-	-	-	SALFORD.
OLDHAM	146,716	84	46	21	5	-	1	2	-	1	1	4	-	-	3	-	16.3	3.2	-	-	-	-	-	-	OLDHAM.
BLACKBURN	123,568	53	60	20	7	-	-	-	2	-	-	8	2	4	1	1	25.3	3.4	-	-	-	-	-	-	BLACKBURN.
PRESTON	105,163	75	69	26	11	-	2	-	-	1	1	13	-	4	4	2	34.2	9.4	-	-	-	-	-	-	PRESTON.
HUDDESFIELD	94,253	40	34	11	10	-	-	1	-	1	-	-	1	2	1	-	18.8	1.1	-	-	-	-	-	-	HUDDESFIELD.
HALIFAX	82,034	52	27	9	6	-	1	-	-	-	-	-	2	2	1	-	17.2	0.6	-	-	-	-	-	-	HALIFAX.
BRADFORD	240,515	95	102	26	23	-	4	1	-	3	-	18	-	-	9	2	22.1	5.6	65.4	30.8	54.6	12.56	0.31	0.79	BRADFORD.
LEEDS	363,799	260	132	48	18	-	-	4	1	1	3	22	6	11	2	3	18.9	3.9	-	-	-	-	-	-	LEEDS.
SHEFFIELD	332,837	202	170	56	19	-	3	5	2	1	2	23	4	4	17	11	26.6	5.6	-	-	-	-	-	-	SHEFFIELD.
HULL	213,833	132	77	29	11	-	1	1	1	-	-	13	-	9	7	3	18.8	3.9	66.0	88.0	53.4	11.89	0.12	0.30	HULL.
SUNDERLAND	136,506	100	68	27	20	-	-	1	-	-	-	-	5	9	7	-	26.0	3.4	-	-	-	-	-	-	SUNDERLAND.
NEWCASTLE	162,387	129	58	37	2	-	-	1	2	1	-	8	3	7	13	2	31.4	3.8	62.0	38.0	52.4	11.33	0.42	1.07	NEWCASTLE.
CARDIFF	117,012	84	45	21	7	-	3	-	-	-	1	8	4	5	3	-	20.1	5.3	-	-	-	-	-	-	CARDIFF.
EDINBURGH	271,135	139	59	27	21	-	-	1	2	3	-	7	6	?	26	17	19.0	2.5	62.5	36.5	52.9	11.61	1.56	3.36	EDINBURGH.
GLASGOW	530,508	344	194	70	19	-	6	4	1	5	15	15	6	?	17	23	19.1	4.2	60.9	38.5	53.4	11.89	2.24	5.69	GLASGOW.
DUBLIN	553,082	102	131	38	28	-	-	-	1	2	4	12	3	4	27	14	19.4	2.8	64.2	36.5	54.6	12.56	0.43	1.22	DUBLIN.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the FORTIETH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2261	2468	2467	2387	2610	2491	2538	2647	2413	2364	2687.6	2433
Males . .	1125	1238	1265	1221	1311	1279	1304	1387	1212	1180	1365.5	1290
Females .	1136	1230	1202	1166	1299	1212	1234	1260	1201	1184	1322.1	1143
<b>TOTAL Deaths</b>	1398	1362	1422	1252	1328	1309	1365	1265	1352	1381	1464.9	1418
Males . .	742	679	736	637	705	655	741	688	701	728	764.6	757
Females .	656	683	686	615	623	654	624	577	651	653	700.3	656

\* The numbers in this column are the average weekly numbers in the fortieth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

		July 12.	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.
TOTAL Births		2472	2346	2512	2557	2176	2527	2487	2614	2469	2539	2355	2458	2433
TOTAL Deaths		1471	1522	1418	1683	1594	1751	1629	1659	1514	1410	1375	1458	1413
Ages at Death	0-20 years	800	823	793	938	915	1019	964	911	796	687	667	740	726
	20-40 "	174	157	132	186	171	169	148	190	177	183	200	182	170
	40-60 "	214	249	227	232	225	263	233	265	240	238	214	236	223
	60-80 "	231	250	219	277	230	246	235	234	245	256	232	256	253
	80 years & upwards	52	43	47	50	53	54	49	59	56	46	62	44	41
"	Under 1 year	428	445	438	554	549	635	603	525	459	395	376	429	433
	1-5	281	277	282	286	294	294	292	282	247	217	227	207	193
	5-20	91	101	73	98	72	90	69	104	90	75	64	104	100
Deaths from Small-pox		-	-	-	-	-	-	-	-	-	-	-	1	-
"	" Measles	99	104	94	82	95	80	73	60	56	39	33	22	30
"	" Scarlet fever	20	12	13	19	17	27	16	24	18	18	14	16	20
"	" Diphtheria	22	19	20	36	22	15	20	26	16	18	35	38	28
"	" Whooping-cough	66	56	62	45	37	39	39	39	46	35	33	29	13
"	" Typhus	-	-	-	-	-	-	-	-	-	1	-	-	-
"	" Enteric fever	9	6	2	11	11	16	11	17	18	18	21	18	24
"	" Simple Cont'd fever	-	1	-	1	1	1	-	-	1	-	-	2	1
"	" Diarrhœa and Dysentery	107	111	107	177	176	262	255	180	128	117	94	86	105
"	" Cholera	4	1	1	7	4	10	12	7	5	5	3	6	3
"	" all the above-mentioned Diseases	327	310	299	378	363	450	426	353	288	251	238	218	229
"	" Dis. of Respiratory System	225	216	185	215	197	208	203	184	180	210	187	222	262
"	" Phthisis	132	150	110	147	126	129	119	167	139	136	157	130	123
"	" Dis. of Circulatory System	108	117	107	118	119	113	116	100	120	114	136	104	100
Violent Deaths		40	49	56	73	50	75	54	57	54	55	43	52	61
Inquest Cases		100	113	111	134	103	128	105	105	98	109	83	103	107
Deaths in Public Institutions		321	347	333	405	373	403	343	364	391	360	360	377	335
TEMPERATURE OF THE AIR														
Mean		55.7	61.4	61.6	62.9	62.6	61.1	59.0	54.4	58.4	59.4	60.4	58.8	56.7
Mean of Highest readings		65.2	72.1	73.9	74.4	73.8	73.2	69.0	66.5	71.0	73.2	71.7	69.2	66.3
Mean of Lowest readings		48.4	54.3	52.6	53.9	53.2	54.6	51.8	46.0	48.4	48.2	51.0	50.9	49.3
Humidity of the Air		83	81	75	77	77	82	81	80	83	79	74	83	76
Rain-fall in inches		0.86	2.08	0.08	0.11	0.00	0.78	1.00	0.67	0.00	0.00	0.34	0.31	00.0
Registered Sunshine (in hours)		17.9	21.7	44.6	31.9	30.5	32.6	31.9	36.5	26.8	48.6	50.7	24.9	36.9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Munby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTIETH Week of the Year 1890.

CAUSES OF DEATH.		Corrected Averages for the 40th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 4th October 1890.								Corrected Averages for the 40th Weeks of the 10 years 1880-89.*	CAUSES OF DEATH.		Corrected Averages for the 40th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 4th October 1890.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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			ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The Deaths registered in the Week include																						
REGISTRATION SUB-DISTRICTS.		Communi- cated Popu- lation 1881	Total Births.	Total Deaths.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Deaths from													Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes
							Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.						
LONDON		3,815,794	2433	1413	433	294	-	30	20	28	18	-	24	1	105	61	107	335				
WEST DISTRICTS.																						
St. Mary Paddington WHH G.J. & W.M.		69883	49	16	8	3	-	-	-	1	-	-	-	-	1	-	1	5	-			
St. John Paddington H - - G.J.		87890	7	9	-	2	-	-	-	-	-	-	3	-	-	-	-	1	-			
Kensington Town Wm - - W.M.		120141	63	41	5	13	-	1	-	-	-	-	-	-	3	2	2	18	-			
Brompton H - - W.M. & C.		43010	22	8	1	2	-	-	-	-	-	-	-	-	-	-	-	4	-			
St. Peter Hammersmith - - W.M.		7399	4	7	4	1	-	-	-	-	-	-	-	-	1	-	-	-	-			
St. Paul Hammersmith H W.M. & G.J.		63430	52	24	7	3	-	1	-	-	-	-	-	-	3	1	2	15	-			
Fulham Wm - - W.M. & C.		42900	62	22	9	6	-	-	1	-	-	-	2	-	-	-	1	5	-			
Chelsea Kensal Town - - C.		15049	13	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chelsea North WHHHH - - C.		42633	26	9	5	1	-	-	-	-	-	-	-	-	-	-	-	3	-			
Chelsea South HHH - - C.		30396	17	13	3	1	-	-	-	-	-	-	-	-	-	1	-	2	-			
May Fair W - - G.J.		30353	3	8	1	4	-	-	-	-	-	-	-	-	-	-	-	7	-			
Belgrave WHHH - - C.		52220	23	16	1	3	-	-	-	1	-	-	-	-	-	1	1	7	-			
St. John Westminster HHH - - C.		35493	14	8	3	1	-	-	-	1	-	-	-	-	-	1	2	-	-			
St. Margaret Westminster H - - C.		24679	10	8	-	2	-	-	-	-	-	-	-	-	-	-	-	7	-			
St. James Westminster WHH N.R. & G.J.		29941	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Anne Soho HHHHHH - - N.R.		18608	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-			
NORTH DISTRICTS.																						
All Souls Marylebone HHHHH W.M.		26759	10	11	1	4	-	-	-	-	-	-	-	-	1	1	1	4	-			
Canvish Square HHHH - - W.M.		14391	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Rectory Marylebone WHH G.J. & W.M.		24303	9	6	2	4	-	-	-	-	-	-	-	-	-	-	-	1	-			
St. Mary Marylebone HHH G.J. & W.M.		21113	29	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Christchurch Marylebone HH - W.M.		33700	12	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. John Marylebone H - - W.M.		33638	16	4	3	1	-	-	-	-	-	-	-	-	1	-	-	-	-			
Hampstead WmHHHH - N.R. & W.M.		45452	30	15	3	3	-	-	-	4	-	1	-	-	1	-	-	6	-			
Regent's Park Panacea H - - W.M.		69115	25	10	3	3	-	-	-	-	-	-	-	-	-	-	1	1	-			
Tottenham-court WHHHH N.R. & W.M.		27723	15	12	2	-	-	-	-	-	-	-	-	-	-	-	1	9	-			
Gray's Inn Lane HHH - - N.R.		30247	10	12	5	3	-	-	-	-	-	-	-	-	1	1	2	5	-			
Somers Town H - - N.R.		34369	15	12	6	1	-	-	-	-	-	-	-	-	-	1	1	2	-			
Camden Town WH - - N.R.		17311	8	11	3	2	-	1	-	-	-	-	-	-	-	2	2	5	-			
Kentish Town W - - N.R.		37497	43	36	8	10	-	-	2	-	-	-	-	-	1	1	4	4	-			
Upper Holloway WmHHH - - N.R.		67946	47	40	8	16	-	-	-	-	-	-	-	-	-	3	3	4	16			
Islington South-west H - - N.R.		100976	57	29	5	7	-	2	1	-	-	1	-	-	3	2	4	-	-			
Islington South-east - - N.R.		61335	34	24	10	4	-	-	-	-	-	-	-	-	2	2	4	-	-			
Highbury H - - N.R.		62048	25	8	2	-	-	-	-	-	-	-	-	-	1	1	1	-	-			
Stoke Newington H - - N.R.		22731	9	5	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-			
Stamford Hill - - E.L.		9277	9	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
West Hackney H - - N.R.		37610	23	15	4	5	-	-	-	-	-	-	-	-	-	3	3	5	-			
Hackney WmWHH - - E.L. & N.R.		76911	60	35	11	4	-	1	3	-	1	-	3	-	2	-	1	12	-			
South Hackney - - E.L.		39333	25	12	6	-	-	-	-	-	1	-	-	-	1	-	-	-	-			
CENTRAL DISTRICTS.																						
St. George Bloomsbury - - N.R.		16331	3	7	3	1	-	-	-	-	1	-	-	-	-	-	1	-	-			
St. Giles South WH - - N.R.		14394	9	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Giles North H - - N.R.		13337	9	2	-	1	-	-	-	-	-	-	-	-	-	-	1	2	-			
St. Martin-in-the-Fields HH N.R. & C.		17508	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Mary-le-Strand H - - N.R.		7515	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-			
St. Clement Danes H - - N.R.		8559	2	5	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-			
Strand Union Workhouse, Edmonton w.		-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	3	-			
St. Geo.-the-Martyr HHHHHH N.R.		13571	9	11	5	2	-	-	-	-	-	-	-	-	-	-	-	1	-			
St. Andrew Eastern W - - N.R.		10706	7	2	-	2	-	-	-	-	-	-	-	-	-	3	-	6	-			
Saffron Hill H - - N.R.		6533	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-			
St. James Clerkenwell - - N.R.		17516	9	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Amwell Clerkenwell - - N.R.		19231	6	4	-	1	-	-	-	-	-	-	-	-	1	-	1	-	-			
Pentonville - - N.R.		14773	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Goosewell-street - - N.R.		17300	10	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Gid-street H - - N.R.		11541	10	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-			
City-road HHL - - N.R.		18623	17	7	5	-	-	-	-	-	-	-	-	-	-	1	-	-	-			
Whitecross-street - - N.R.		9217	6	2	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-			
Finsbury - - N.R.		7463	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Holborn Union Workhouse, Mitcham w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Botolph H - - N.R. & E.L.		11174	1	3	-	2	-	-	-	-	-	-	-	-	-	-	1	1	-			
Cripplegate - - N.R.		7193	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Sepulchre H - - N.R.		5353	-	14	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-			
St. Bride W - - N.R.		8596	2	1	1	-	-	-	-	-	-	-	1	-	-	1	1	10	-			
Abchurch-lane - - N.R.		13666	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street H - - N.R.		6632	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-			

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L.V.—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it is situated. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J., signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
 urday, 4th October, 1890.

		The DEATHS registered in the Week include																			
REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths from																
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 6 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued fever.	Dysentery.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.		
EAST DISTRICTS.																					
Edinburgh South	HL*	- - N.R.	22343	12	6	1	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh New Town	w	- - N.R.	29937	22	16	5	8	1	-	-	-	-	-	-	-	-	-				
Edinburgh Old Town	-	- - N.R.	29936	21	9	6	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	WH	- - N.R. & E.L.	46275	27	27	9	6	-	-	-	-	-	-	-	-	-	-				
Edinburgh Green North	H	- - E.L.	51157	34	17	9	3	-	-	-	-	-	-	-	-	-	-				
Edinburgh Green South	-	- - E.L.	34389	16	8	4	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh Green East	WHL*	- - E.L.	41405	81	16	5	3	-	-	-	-	-	-	-	-	-	-				
Edinburgh Fields	-	- - E.L. & N.R.	22585	19	6	1	2	-	-	-	-	-	-	-	-	-	-				
Edinburgh New Town	W	- - E.L.	15473	14	4	1	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh Chapel Church	H	- - E.L. & N.B.	17490	20	30	4	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh Fields	-	- - E.L.	9713	3	2	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- - N.R. & E.L.	6102	8	3	1	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh George's, North	-	- - E.L.	38747	25	19	7	2	-	-	-	-	-	-	-	-	-	-				
Edinburgh John, St. George East	W	- - E.L.	8410	4	11	4	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	H	- - E.L. & N.R.	10595	5	11	5	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- - E.L.	16107	8	5	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- - E.L.	32041	22	12	5	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh End Old Town West	H	- - E.L.	37960	35	16	5	4	-	-	-	-	-	-	-	-	-	-				
Edinburgh End Old Town East	WHL*	- - E.L.	67553	48	23	8	3	-	-	-	-	-	-	-	-	-	-				
Edinburgh	L*	- - E.L.	37074	23	16	7	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- - E.L.	64559	51	33	9	9	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- - E.L.	55077	34	22	6	1	-	-	-	-	-	-	-	-	-	-				
SOUTH DISTRICTS.																					
Edinburgh Southwark	WH	- L. & S.	18633	8	8	1	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh Southwark	-	- S.	14989	10	4	3	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & L.	21881	13	6	4	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & L.	15953	9	12	2	2	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	21818	14	10	6	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & L.	26672	22	12	3	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & L.	59555	84	23	6	7	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	21623	18	13	8	7	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S.	11956	15	22	1	4	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & L.	16390	10	6	2	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S.	15669	12	6	1	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S.	54832	45	14	7	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & K.	36024	23	14	3	6	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	15195	9	6	4	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	16351	20	4	3	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	19876	7	14	5	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	39859	24	15	5	5	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & L.	45339	23	11	3	2	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & L.	35332	15	11	1	5	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	62337	33	11	3	4	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L.	19017	13	4	1	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S.	54673	46	18	11	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S.	52587	53	18	5	7	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S.	36880	26	6	3	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S.	28004	29	11	2	2	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S.	131335	6	1	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L.	25553	32	11	5	4	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	5590	2	-	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- S. & L.	59104	38	23	8	6	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & K.	11089	52	26	11	9	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L. & S.	60810	39	12	7	2	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	76752	63	33	12	3	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	7901	4	4	2	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	21973	23	4	2	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	24605	23	18	7	6	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	5043	4	1	1	3	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	51559	20	9	4	4	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	19865	20	9	4	4	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- L.	26076	11	8	3	2	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	10930	7	3	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	17617	14	7	5	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	19048	14	10	7	1	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	14009	11	4	2	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	- K.	19241	20	19	6	4	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Edinburgh	-	-	-	-	-	-	-	-													



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 4th October, 1899.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LONDON—OUTER RING		370,924	959,957	802	344	115	67	-	15	3	8	10	5	17	12	23	35	
30: 1	Carsaltan <i>wL</i> -	12228	21118	7	3	1	1	-	-	-	-	-	-	-	-	-	-	
2	Epsom ( <i>part of</i> ) <sup>*</sup> <i>WwH</i>	9971	10710	5	4	3	-	-	-	-	-	-	-	-	-	-	1	
37: 1	Godstone ( <i>part of</i> ) <sup>*</sup> -	3754	1235	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
38: 1	Croydon <i>Ww L</i> -	20651	101241	63	41	13	12	-	3	2	1	1	1	1	1	4	8	
2	Mitcham <i>w</i> -	11697	17932	13	4	2	-	-	-	-	-	-	-	-	-	-	-	
39: 1	Wimbledon <i>HHH</i> -	3220	15950	15	2	-	-	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	8549	36354	21	8	2	1	-	-	-	-	1	-	-	-	-	4	
3	Esher ( <i>part of</i> ) <sup>*</sup> -	6601	9221	6	3	1	1	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4573	13539	9	2	-	1	-	-	-	-	-	-	-	-	-	-	
40: 1	Richmond <i>WH</i> -	2272	21302	8	7	1	3	-	-	-	-	-	-	-	-	1	2	
2	Mortlake <i>-</i> -	2941	12331	11	4	1	-	-	1	-	-	-	-	-	-	-	-	
41: 1	Bromley ( <i>pt. of</i> ) <sup>*</sup> <i>HH</i>	15669	31142	30	10	3	4	-	-	-	-	-	-	-	1	-	1	
2	Chislehurst( <i>pt. of</i> ) <sup>*</sup> <i>WHH</i>	14907	15844	8	5	3	1	-	-	-	-	1	-	-	-	-	1	
42: 1	Bexley <i>H</i> -	13437	24184	30	10	3	2	-	-	-	-	-	-	-	-	-	-	
2	Dartford ( <i>Ww, pts. of</i> ) <sup>*</sup> -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124: 1	Sunbury <i>w</i> -	11055	11694	7	4	-	1	-	-	-	-	1	-	-	1	1	-	
2	Staines <i>W</i> -	13377	12089	9	3	-	-	-	-	-	-	-	-	-	-	-	-	
125: 1	Hillingdon <i>WHH</i> -	6020	10802	8	1	-	1	-	-	-	-	-	-	-	-	-	-	
2	Uxbridge <i>-</i> -	6175	3225	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14587	11523	8	2	1	-	-	-	-	-	-	-	-	-	-	-	
126: 1	Isleworth <i>WHH</i> -	7008	22727	6	10	4	2	-	-	1	-	1	-	-	-	-	-	
2	Twickenham <i>H</i> -	2477	12479	8	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i> -	4345	27649	25	3	2	1	-	1	-	-	-	-	1	-	-	-	
4	Chiswick <i>-</i> -	1340	15975	13	9	5	-	-	1	-	1	-	-	1	1	1	-	
5	Aeton <i>wH</i> -	6082	22876	16	12	-	1	-	4	-	-	-	-	1	1	2	-	
127: 1	Harrow <i>H</i> -	13809	12796	7	6	1	1	-	-	-	-	-	-	1	-	1	-	
2	Edgware <i>H</i> -	6994	3749	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden <i>-</i> -	4383	27453	31	12	4	2	-	-	-	-	-	1	-	-	1	-	
4	Hendon <i>W</i> -	6382	10494	8	6	2	3	-	-	-	-	-	-	2	-	-	3	
137: 1	Bushey <i>-</i> -	9331	6621	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W, pt. of</i> ) <sup>*</sup> -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
138: 1	South Mimms <i>-</i> -	15599	6391	4	2	-	1	-	-	-	-	-	-	-	-	-	-	
2	Barnet <i>-</i> -	5433	10092	2	3	-	1	-	1	-	-	-	-	-	1	1	1	
3	Finchley <i>HL</i> -	4683	17615	15	6	2	3	-	-	-	-	-	-	-	-	1	-	
139: 1	Hatfield ( <i>part of</i> ) <sup>*</sup> -	3806	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
140: 1	Hornsey <i>H</i> -	3039	37075	22	9	3	3	-	1	-	-	-	-	-	-	-	1	
2	Tottenham <i>H</i> -	4642	46456	68	23	11	3	-	-	-	2	-	-	2	1	2	2	
3	Edmonton <i>Ww</i> -	7463	23463	12	11	4	1	-	1	-	-	2	-	-	1	2	4	
4	Enfield <i>WH</i> -	12653	19104	17	5	1	-	-	-	-	-	-	-	-	-	-	-	
5	Waltham Abbey <i>-</i> -	11017	5368	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt <i>H</i> -	8490	7735	5	6	1	3	-	-	-	-	-	-	1	-	-	-	
146: 1	Stratford <i>-</i> -	882	38606	32	11	3	2	-	-	-	-	-	1	2	2	2	1	
2	West Ham <i>w w H</i> -	4055	90947	110	38	13	3	-	2	-	-	1	1	2	1	2	1	
3	East Ham <i>w w</i> -	3296	10706	26	7	4	1	-	-	-	-	-	-	-	-	-	-	
4	Leyton <i>WwL</i> -	4372	32450	45	23	10	5	-	-	-	2	-	-	-	-	-	3	
5	Walthamstow <i>H</i> -	6520	28869	33	23	10	3	-	-	-	2	2	-	2	-	-	1	
187: 1	Chigwell ( <i>part of</i> ) <sup>*</sup> <i>H</i>	11761	9693	5	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W, pt. of</i> ) <sup>*</sup> -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
189: 1	Romford ( <i>part of</i> ) <sup>*</sup> <i>W</i>	6730	3411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford <i>-</i> -	5493	7643	8	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Barking Town <i>-</i> -	4127	9203	10	3	1	-	-	-	-	-	-	1	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30: 2, Epsom sub-district, except the parishes of Ashted and Headley (pop. 1263); 37: 1, the parishes of Warrington and Farley in Godstone district; 38: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadogan and Kewstall (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 133: 1, the parish of Northaw in Uxbridge sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 4th October, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include														
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from											Deaths in Public Institutions.	
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.					
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.				
TER LONDON	448,334	5,758,500	15·9	2·6	1757	548	361	-	45	23	36	28	30	122	73	370				
INNER LONDON	77,410	4,421,661	16·7	2·7	1413	433	294	-	30	20	23	18	25	105	61	335				
UTER RING	370,924	1,336,839	13·4	2·3	344	115	67	-	15	3	8	10	5	17	12	35				

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 652 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN.	BIRTHS.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ATLANTA	433,219	August 16	-	-	-	-	-	-	-	-	-	-	-
BOMBAY	773,196	September 9	269	415	23·3	-	1	?	?	?	127	44†	
BOMBAY	398,777	August 15	411	438	57·1	4	6	?	?	?	106	132†	
BOMBAY	2,260,945	September 27	882	799	18·4	4	13	1	18*	7	16	103	
BRUSSELS (Faubourgs.)	477,288	" 27	228	178	19·4	-	1	-	-	-	4	31	
AMSTERDAM	406,302	" 27	-	-	-	-	-	-	-	-	-	-	
AMSTERDAM	203,486	" 27	-	-	-	-	-	-	-	-	-	-	
LA HAYE	156,497	" 27	-	-	-	-	-	-	-	-	-	-	
BRUSSELS	312,387	" 27	189	109	18·2	-	3	4	5	1	1	9	
STOCKHOLM	236,350	" 20	146	97	21·3	-	-	4	4*	2	1	20	
CONSTANTINOPLE	145,300	" 27	54	50	18·1	-	-	3	3	-	-	9	
ST. PETERSBURG	842,000	" 20	-	340	21·1	5	3	19	11	3	8	45	
BERLIN	1,526,887	" 13	765	600	20·2	-	1	5	39	8	3	142	
BERLIN (State)	575,276	" 20	384	240	21·8	-	1	3	8*	4	-	36	
BRUSSELS	269,250	" 20	172	111	21·4	-	-	1	2*	-	-	15	
PRAGUE	324,400	" 27	211	170	27·4	-	-	4	9*	2	3	25	
PRAGUE	298,000	" 27	-	130	22·7	-	1	1	1	3	1	27	
PRAGUE	822,176	" 27	396	300	19·0	-	2	3	7	-	4	45	
PRAGUE	314,425	" 27	-	131	21·7	-	-	2	2	-	5	7	
PRAGUE	463,017	" 20	282	268	30·1	-	-	8	12	1	4	35	
PRAGUE	160,092	" 27	66	65	21·4	-	-	-	1	1	-	9	
PRAGUE	418,217	August 30	187	167	21·3	-	-	-	-	1	14†	23	
PRAGUE (10 days)	314,827	" 20	238	182	21·1	2	-	1	-	1	8	51	
PRAGUE	156,515	September 13	72	66	22·0	5	1	-	1	-	1	12	
PRAGUE	374,838	" 4	538	370	51·3	-	1	-	4*	4	18	131	
ALEXANDRIA	231,396	" 4	189	204	45·8	-	-	-	12*	-	14	47	
NEW YORK	1,617,997	" 13	-	686	21·8	-	7	3	13	14	17	109	
NEW YORK	859,612	" 13	-	367	22·0	-	-	-	11	7	4	63	
PHILADELPHIA	1,064,277	" 13	-	349	17·1	-	-	4	5	3	10	40	
SINGAPORE	500,343	" 13	-	164	17·0	-	-	-	-	2	13	16	
NEW ORLEANS	254,000	" 6	-	-	-	-	-	-	-	-	-	-	

\* Including deaths from croup.

† Including 3 deaths from cholera in Bombay, and 46 in Madras.

‡ Including 6 deaths from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS Taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 4th October, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		Phases of the Moon.	Baro- meter.	TEMPERATURE.					TEMPERATURE.					Wind as deduced from Anemometers.					Rain collected in a Gauge receiving surface is above the Ground.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				Of the Air.			De- parture from daily Average value.	Of the Air Temperature and Dew Point Temperature.		Degree of Humidity (Saturation 100).	Of Radiation.		Of the Water at Depford.		Oiler's.		Pressure on the Square Foot.			Robinson's.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				High- est.	Low- est.	Daily Range.		Mean value.	Mean daily value.		Least.	High- est.	Low- est.	A.M.	P.M.	Great- est.	Least.	Mean of 24 hourly obs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

DATE.		ELECTRICITY (For explanation of symbols, see Note.)		Registered Sun above horizon, in hours.		GENERAL REMARKS.	
SEPTEMBER.							
SUNDAY . 28	W. P.	..	..	2.3	11.7	Cloudy till afternoon; fine afterwards with small amounts of light cloud till 10h. P.M.; then cloudy.	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.
MONDAY . 29	W. P.	..	..	2.0	11.7	Variable in morning; overcast afterwards.	Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.
TUESDAY . 30	W. P.	..	..	6.7	11.6	Overcast in early morning; fine and partially cloudy till night; then overcast.	The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.
WEDNESDAY . 1	W. P.	..	..	1.2	11.6	Overcast till afternoon; partially cloudy till evening; generally cloudless at night.	In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.
THURSDAY . 2	W. P. in morning; W. P. afterwards.	..	..	8.2	11.5	Very fine; generally cloudless.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.
FRIDAY . 3	W. P.	..	..	9.8	11.4	Cloudless and very fine.	The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are +, positive; -, negative; w, weak; m, moderate; s, strong; and v, variable.
SATURDAY . 4	W. P.	..	..	6.7	11.4	Cloudless till 4h. A.M.; partially cloudy and fine till evening; overcast at night.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.
				Sum 36.9	Sum 50.9		This result, on all the barometrical observations are to be understood as applying to the civil day, from midnight to midnight.
							The reading of the barometer decreased from 30.15 in. at the beginning of the week to 29.55 in. on the 31st of September, and increased to 30.22 in. by 9h. P.M. on the 1st of October.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationery Office,  
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No. 41. 1890. VOL. LI.]      WEEK ENDING SATURDAY, OCTOBER 11.      [Price 1½d.

*General Register Office, Somerset House,  
13th October, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·8 per 1000 of their aggregate population. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.		Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.
Birkenhead	17·9	21·8	22·3	25·3	Liverpool -	22·1	25·8	22·0	21·7
Birmingham	19·0	17·2	16·7	20·3	London -	16·2	17·2	16·7	17·4
Blackburn -	30·0	27·4	25·3	32·9	Manchester -	31·6	32·6	30·6	29·0
Bolton -	20·7	23·9	16·7	22·5	Newcastle-on-Tyne	26·6	25·6	31·4	25·9
Bradford -	14·1	20·8	22·1	25·6	Norwich -	15·3	27·9	28·4	20·8
Brighton -	16·0	17·7	18·6	16·9	Nottingham -	13·8	14·3	18·7	17·7
Bristol -	14·1	15·0	14·1	14·6	Oldham -	19·9	22·7	16·3	17·8
Cardiff -	24·1	30·7	20·1	25·4	Plymouth -	19·9	28·5	33·1	24·5
Derby -	12·9	11·4	10·3	12·4	Portsmouth -	18·2	21·9	16·4	18·2
Halifax -	17·8	25·4	17·2	23·5	Preston -	35·7	32·2	34·2	24·3
Huddersfield	17·1	17·7	18·8	19·4	Salford -	20·9	21·3	20·0	22·8
Hull -	23·7	20·7	18·8	17·8	Sheffield -	25·2	20·8	26·6	21·1
Leeds -	21·9	21·9	18·9	22·9	Sunderland -	27·9	25·2	26·0	22·9
Leicester -	17·9	16·6	15·5	19·6	Wolverhampton -	20·0	24·4	22·5	21·9

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·5 in Manchester and in Bradford, 1·8 in Bolton, and 2·2 in Cardiff; from *scarlet fever*, 1·1 in Sheffield; from *whooping-cough*, 1·6 in Norwich; from "*fever*," 1·5 in Portsmouth and in Birkenhead; and from *diarrhoea*, 4·5 in Bolton, 5·5 in Blackburn, and 6·4 in Preston. The 61 deaths from *diphtheria* included 38 in London, 7 in Salford, 3 in Manchester, 4 in Portsmouth, 2 in Derby, and 2 in Halifax. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2409 BIRTHS and 1472 DEATHS were registered. Allowing for increase of population, the births were 317, and the deaths 59, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17·2 and 16·7 in the preceding two weeks, rose again last week to 17·4.

The 1472 deaths included 38 from *measles*, 20 from *scarlet fever*, 38 from *diphtheria*, 29 from *whooping-cough*, 24 from *enteric fever*, one from an ill-defined form of continued fever, 94 from *diarrhoea* and *dysentery*, 2 from *choleraic diarrhoea*, and not one from *small-pox* or from *typhus*; thus, 246 deaths were referred to these diseases, exceeding by 51 the corrected average weekly number.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



No death from *small-pox* was registered, the corrected average being 5. The deaths from *measles*, which had been 22 and 30 in the previous two weeks, further increased last week to 38, exceeding the corrected average by 11. The fatal cases of *scarlet fever*, which had numbered 16 and 20 in the previous two weeks, were again 20 last week, being 27 below the corrected average. The deaths from *diphtheria*, which had been 35, 38, and 28 in the preceding three weeks, increased again last week to 38, and exceeded the corrected average by 15. The 29 deaths from *whooping-cough* exceeded the low number recorded in the preceding week by 11, and the corrected average by 7. The deaths from *enteric fever*, which had been 18 and 24 in the preceding two weeks, were again 24 last week, and exceeded the corrected average by one. The 94 deaths attributed to *diarrhœa*, though fewer than the number in the preceding week, were 49 in excess of the corrected average; 89 were of children under 5 years of age. Two deaths of children under one year of age were referred to *choleraic diarrhœa*.

#### GREATER LONDON.

In Greater London 3156 births and 1846 deaths were registered, corresponding to annual rates of 28·6 and 16·7 per 1000 of the estimated population. In the Outer Ring 33 deaths were referred to diarrhœa, 12 to whooping-cough, 11 to measles, 10 to diphtheria, and 9 to scarlet fever. The deaths from scarlet fever included 3 in Brentford and 3 in West Ham sub-districts; 3 deaths from diphtheria were recorded in Edmonton, 2 in East Ham, and 2 in Leyton sub-districts.

DEATHS BELONGING to the SEVERAL SANITARY AREAS of REGISTRATION LONDON registered in the 13 WEEKS ENDING on 27TH SEPTEMBER, 1890.

SANITARY AREAS.	Total Deaths from all Causes.	Deaths from Principal Zymotic Diseases.									Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhœa.		
REGISTRATION LONDON	19,732	-	931	233	253	888	1	155	9	1881	6235	195
WEST.												
Paddington	446	-	13	2	2	9	-	3	-	45	138	194
Kensington	612	-	49	4	6	6	-	4	-	50	183	187
Hammersmith	477	-	41	2	10	14	-	8	-	64	159	234
Fulham	490	-	37	5	1	14	-	6	-	83	196	246
Chelsea	487	-	23	1	22	5	-	3	-	27	133	203
St. George Hanover Square	265	-	14	-	2	5	-	1	-	15	53	150
Westminster	509	-	17	3	2	9	-	1	1	21	68	188
St. James Westminster	106	-	7	1	1	5	-	-	-	7	27	208
NORTH.												
Marylebone	694	-	36	3	2	8	-	5	-	64	181	165
Hampstead	199	-	7	2	6	5	-	-	-	12	45	120
Pancras	1129	-	42	5	41	28	-	2	-	112	368	200
Islington	1282	-	23	22	17	41	-	6	1	112	422	177
Hackney	978	-	54	8	15	44	-	14	1	85	294	178
CENTRAL.												
St. Giles	315	-	3	2	1	2	-	2	-	14	49	196
St. Martin-in-the-Fields	72	-	2	-	-	1	-	-	-	2	15	239
Strand	155	-	4	-	2	3	-	-	-	10	37	243
Holborn	212	-	5	6	2	8	-	1	-	21	63	268
Clerkenwell	356	-	5	7	2	17	-	2	-	41	119	228
St. Luke's	279	-	11	5	3	10	-	1	-	28	83	161
London City	174	-	3	1	3	1	-	-	-	9	27	130
EAST.												
Shoreditch	685	-	16	15	10	28	-	7	1	85	232	215
Bethnal Green	705	-	17	9	29	15	-	6	1	66	231	202
Whitechapel	475	-	26	10	14	7	-	5	-	48	169	264
St. George-in-the-East	383	-	19	7	5	14	-	5	1	52	129	295
Stepney	553	-	23	7	4	12	-	4	-	81	112	233
Mile End Old Town	874	-	24	8	11	18	-	10	-	47	185	187
Poplar	820	-	37	9	7	29	-	14	1	73	263	190
SOUTH.												
St. Saviour Southwark	184	-	13	4	1	11	-	-	-	9	51	228
St. George Southwark	389	-	31	2	9	13	1	-	-	42	130	250
Newington	603	-	26	11	8	23	-	7	-	62	210	225
St. Olave Southwark	75	-	1	1	2	7	-	1	-	8	17	160
Bermondsey	478	-	23	9	6	19	-	1	-	53	142	198
Rotherhithe	198	-	11	1	2	9	-	-	-	21	65	186
Lambeth	1269	-	62	13	17	34	-	9	1	104	432	202
Battersea	712	-	65	7	8	25	-	7	1	85	300	236
Wandsworth	554	-	39	1	4	13	-	3	-	79	175	173
Camberwell	936	-	29	16	13	31	-	5	-	83	289	159
Greenwich	738	-	42	8	10	17	-	5	-	60	229	199
Lewisham (excluding Penge)	228	-	4	2	1	13	-	1	-	13	61	139
Woolwich	169	-	-	1	-	3	-	-	-	16	42	126
Plumstead	269	-	7	3	4	6	-	1	-	21	86	118

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 360 that occurred outside that area in the

Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Hospitals and Asylums, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand, the deaths of 342 non-residents who died in these Public Institutions have been excluded from the Table.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 30.08 ins.; the lowest reading was 29.78 ins. on Tuesday afternoon, and the highest 30.31 ins. on Thursday morning. The mean temperature of the *air* was 54°·3, and 1°·8 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on each of the first four days of the week, a deficiency on Thursday and Friday, and again an excess on Saturday. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 9.7 miles per hour, which was 0.4 of a mile below the average in the corresponding weeks of 16 years. *Rain* fell on two days of the week, to the aggregate amount of 0.33 of an inch. The duration of registered bright sunshine in the week was 36.5 hours, against 35.4 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of SEPTEMBER 1890; according to their returns 184,412,177 gallons or 837,869 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 240 gallons (109.0 decalitres), rather more than a *ton* by weight, to each house, and (assuming 7.8 persons to each house) 30.8 gallons (14.0 decalitres) to each person, against 30.1 gallons during September 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	SEPTEMBER. 1889.	SEPTEMBER. 1890.	SEPTEMBER. 1889.	SEPTEMBER. 1890.
<b>TOTAL SUPPLY . . .</b>	<b>755,821</b>	<b>766,797</b>	<b>177,725,797</b>	<b>184,412,177</b>
From Thames . . . . .	364,359	369,720	88,925,771	92,932,225
From Lea and from other Sources . . .	391,462	397,077	88,800,026	91,479,952
<b>THAMES.</b>				
Chelsea . . . . .	35,100	35,610	9,731,123	10,029,275
West Middlesex . . . . .	72,256	73,618	15,922,926	16,682,204
Southwark and Vauxhall . . . . .	111,564	112,508	24,472,910	26,073,140
Grand Junction . . . . .	55,678	56,403	18,444,702	19,248,481
Lambeth . . . . .	89,821	91,581	20,254,100	20,299,125
<b>LEA AND OTHER SOURCES.</b>				
New River . . . . .	152,871	153,661	53,160,000	54,749,000
East London . . . . .	166,033	169,082	43,204,492	43,602,759
Kent . . . . .	72,558	74,334	12,435,534	13,128,193

*Note.*—The Return for September 1890, as compared with that for the corresponding month of 1889, shows an increase of 10,978 houses, and of 6,686,380 gallons of water supplied daily.

### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING SEPTEMBER.

*Water-analysis Laboratory, The Yews, Reigate,  
4th October, 1890.*

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of September.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.4, Tottenham 0.8, Colne Valley and New River 1.1, East London and Lambeth 1.8, Chelsea 1.9, Grand Junction and West Middlesex 2.0, and Southwark 2.1.

The water abstracted from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies had quite recovered from the effects of recent heavy floods and had again fully reached its normal summer quality. In every case the water was efficiently filtered before delivery.

Of the water obtained chiefly from the River Lea by the New River and East London Companies, that delivered by the New River Company was again distinguished by its high degree of organic purity, ranking in this respect far above any of the other river waters. The East London Company's supply was equal in quality to the best of the Thames-derived waters. Both waters were efficiently filtered before delivery.



The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of excellent quality for dietetic use. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the Kent, Colne Valley, and Tottenham waters were clear and colourless; the New River and East London Companies' supplies clear and nearly colourless; and all the Thames-derived waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports of the water supplied to that city "it is above the average quality of the samples examined during the year, both as regards organic carbon and organic nitrogen, and its physical qualities were good."

Dr. Mills, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

I am, &c.

The Registrar General, &c. &c.

E. FRANKLAND.

# RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

	COMPANIES OR LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.										
	Chelsea - - -	{ September 17th, Cab Rank, Horse Guards, Whitehall. }	17.2	24.06	.086	.024	0	.143	.167	1.9	18.0
	West Middlesex - -	{ September 17th, Cab Rank, Portland-road. }	18.2	25.46	.095	.023	0	.147	.170	1.9	17.7
	Southwark - - -	{ September 17th, Cab Rank, Bricklayers Arms, Old Kent-road. }	17.2	26.16	.101	.025	0	.144	.169	1.9	19.1
	Grand Junction - -	{ September 17th, Cab Rank, Uxbridge-road, near Marble Arch. }	17.5	25.72	.091	.025	0	.156	.181	1.9	18.6
	Lambeth - - -	{ September 17th, Cab Rank, St. George's- road, Southwark. }	17.7	25.80	.093	.022	0	.153	.175	1.9	18.6
	LEA.										
Outer Circle.	New River - - -	{ September 17th, Cab Rank, Tottenham Court-road. }	17.6	28.92	.048	.018	0	.202	.220	2.0	19.4
	East London - - -	{ September 17th, Fire Brigade Station, Commercial-road, E. }	17.5	25.24	.078	.026	0	.177	.203	2.0	18.6
	DEEP WELLS.										
	Kent - - - - -	{ September 17th, Mill Lane, Deptford. }	12.8	42.96	.016	.009	0	.434	.443	2.5	29.3
	Colne Valley - - -	{ September 22nd, Bushey. }	—	17.20	.049	.015	0	.406	.421	2.0	6.6
	Tottenham - - -	{ September 19th, Tottenham. }	—	40.76	.038	.013	.060	.0	.062	2.9	22.1
	Corporation of Birming- ham* - - - -	{ September 2nd, 98, Aberdeen-street. }	14.4	27.92	.116	.014	.001	.216	.235	2.0	18.0
	Corporation of Glasgowl†	{ September 15th, Loch Katrine Water. }	14.1	2.5	.164	.020	0	.003	.023	.70	.63
Column 1.			3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 17th September, at the Horse Guards cab-rank, had a temperature of 17°.2 C.; 100,000 lbs. of it contained 24.06 lbs of solid matter; the organic substances, constituting a portion of this matter, contained .086 lb of carbon and .024 lb. of nitrogen. The above quantity of water also contained no ammonia and .143 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was .167 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 18.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.





TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-FIRST Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2606	2550	2477	2504	2282	2532	2456	2358	2588	2593	2725·9	2409
Males . .	1318	1356	1256	1280	1168	1319	1237	1192	1330	1368	1398·4	1190
Females .	1288	1194	1221	1224	1114	1263	1219	1166	1258	1227	1327·5	1219
<b>TOTAL Deaths</b>	1405	1460	1563	1433	1344	1346	1274	1351	1536	1321	1530·8	1472
Males . .	742	741	791	758	664	667	675	653	768	679	778·4	785
Females .	663	719	772	680	680	679	599	698	768	642	752·4	687

\* The numbers in this column are the average weekly numbers in the forty-first weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—Births, Deaths, and METEOROLOGY in the Last THIRTEEN WEEKS.

	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.
<b>TOTAL Births</b> - -	2346	2512	2557	2176	2527	2487	2614	2469	2359	2355	2458	2433	2409
<b>TOTAL Deaths</b> - -	1522	1418	1683	1594	1751	1629	1659	1514	1410	1375	1458	1413	1472
<b>Ages at</b> { 0-20 years - -	823	793	938	915	1019	964	911	796	687	667	740	726	747
{ 20-40 " - -	157	132	186	171	169	148	190	177	183	200	182	170	180
{ 40-60 " - -	249	227	232	225	263	233	265	240	238	214	236	223	240
<b>Death</b> { 60-80 " - -	250	219	277	230	246	235	234	245	256	232	256	253	254
{ 80 years & upwards	43	47	50	53	54	49	59	56	46	62	44	41	51
<b>"</b> { Under 1 year - -	445	438	554	549	635	603	525	459	395	376	429	433	436
{ 1-5 " - -	277	282	286	294	294	292	282	247	217	227	207	193	213
{ 5-20 " - -	101	78	98	72	90	69	104	90	75	64	104	100	98
<b>Deaths from Small-pox</b> - -	-	-	-	-	-	-	-	-	-	-	1	-	-
" " Measles - -	104	94	82	95	80	73	60	56	39	33	22	30	38
" " Scarlet fever - -	12	13	19	17	27	16	24	18	18	14	16	20	20
" " Diphtheria - -	19	20	36	22	15	20	26	16	18	35	38	28	33
" " Whooping-cough - -	56	62	45	37	39	39	39	46	35	33	29	13	29
" " Typhus - -	-	-	-	-	-	-	-	-	1	-	-	-	-
" " Enteric fever - -	6	2	11	11	16	11	17	18	18	21	18	24	24
" " Simple Cont'd fever - -	1	-	1	1	1	-	-	1	-	-	2	1	1
" " Diarrhoea and } Dysentery - -	111	107	177	176	262	255	180	128	117	94	86	105	94
" " Cholera - -	1	1	7	4	10	12	7	5	5	3	6	3	2
" " all the above- } mentioned Diseases } - -	310	299	378	363	450	426	353	238	251	238	218	229	246
" " Dis. of Respira- } tory System } - -	216	185	215	197	208	203	184	180	210	187	222	262	197
" " Phthisis - -	150	110	147	126	129	119	167	139	136	157	130	123	147
" " Dis. of Circula- } tory System } - -	117	107	118	119	113	116	100	120	114	136	104	100	123
<b>Violent Deaths</b> - -	49	56	73	50	75	54	57	54	55	43	52	61	49
<b>Inquest Cases</b> - -	113	111	134	103	128	105	105	93	109	83	103	107	113
<b>Deaths in Public Institutions</b>	347	333	405	373	403	343	364	391	300	360	377	335	347
<b>TEMPERATURE OF THE AIR</b>													
Mean - -	61·4	61·6	62·9	62·6	61·1	59·0	54·4	58·4	59·4	60·4	58·8	56·7	54·3
Mean of Highest readings - -	72·1	73·9	74·4	73·8	73·2	69·0	66·5	71·0	73·2	71·7	69·2	66·3	64·1
Mean of Lowest readings - -	54·8	52·6	53·9	53·2	54·6	51·8	46·0	48·4	48·2	51·0	50·9	49·3	45·5
<b>Humidity of the Air</b> - -	81	75	77	77	82	81	80	83	79	74	83	76	82
<b>Rain-fall in inches</b> - -	2·08	0·08	0·11	0·00	0·78	1·00	0·67	0·00	0·00	0·34	0·31	00·0	0·33
<b>Registered Sunshine (in hours)</b>	21·7	44·6	31·9	30·5	32·6	31·9	36·5	26·8	48·6	50·7	24·9	36·9	36·5

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-FIRST Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 41st Weeks of the 10 years 1880-89.	In the Week ending Saturday, 11th October 1890.								Corrected Averages for the 41st Weeks of the 10 years 1880-89.	CAUSES OF DEATH.	Corrected Averages for the 41st Weeks of the 10 years 1880-89.	In the Week ending Saturday, 11th October 1890.								
		Deaths of Persons of the Ages											Deaths of Persons of the Ages								
		ALL AGES.											ALL AGES.								
		0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	0-1.				1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			
ALL CAUSES -	1530.8	1472	436	213	93	180	240	254	51	Diseases of Organs of Special Sense † -	2.5	3	1	1	1	-	-	-	-	-	-
Small-pox { Vaccinated † -	0.9	-	-	-	-	-	-	-	-	Diseases of Circulatory System -	116.6	123	2	2	4	15	46	45	9	-	-
Unvaccinated -	1.6	-	-	-	-	-	-	-	-	Croup -	16.4	6	-	6	-	-	-	-	-	-	-
No Statement -	2.3	-	-	-	-	-	-	-	-	Bronchitis -	171.0	112	41	25	4	1	13	23	6	-	-
Measles -	27.3	38	8	25	5	-	-	-	-	Pneumonia -	77.6	59	16	13	3	6	10	11	-	-	-
Scarlet Fever -	47.3	20	3	11	6	-	-	-	-	Pleurisy -	4.8	5	-	1	1	1	1	1	-	-	-
Diphtheria -	0.9	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System -	28.9	15	5	4	1	3	1	1	-	-	-
Erysipelas -	0.0	-	-	-	-	-	2	-	-	Dentition † -	10.3	10	8	2	-	-	-	-	-	-	-
Eclapsing Fever † -	0.0	2	-	-	-	-	-	-	-	Quinsy, Sore Throat † -	2.5	2	-	-	1	1	-	-	-	-	-
Influenza -	52.1	29	11	17	1	-	-	-	-	Enteritis -	7.7	19	14	2	1	1	1	-	-	-	-
Whooping-cough -	23.0	33	4	27	7	-	-	-	-	Peritonitis -	7.7	3	-	-	1	1	1	-	-	-	-
Ephtheria -	1.3	1	-	-	-	-	1	-	-	Diseases of Liver -	30.0	23	4	-	-	3	12	9	-	-	-
Temple Continued and Ill-defined Fever -	22.6	24	-	1	9	11	3	-	-	Other Diseases of Digestive System -	33.7	30	7	3	-	4	5	8	3	-	-
Enteric Fever -	0.8	2	2	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † -	1.9	4	-	-	2	2	-	-	-	-	-
Cholera and Chol. Diarr.	44.7	94	70	19	-	1	1	2	1	Diseases of Urinary System -	38.5	41	-	-	3	3	11	23	1	-	-
Diarrhoea, Dysentery -	0.3	-	-	-	-	-	-	-	-	Diseases of Generative System -	5.1	3	-	-	-	1	2	-	-	-	-
Spontaneous Evert -	0.3	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.8	4	-	-	-	3	1	-	-	-	-
Hydrophobia -	0.1	-	-	-	-	-	-	-	-	Diseases of Locomotive System † -	7.1	5	2	-	2	-	-	1	-	-	-
Landers -	0.0	-	-	-	-	-	-	-	-	Diseases of Integumentary System -	7.3	1	-	-	-	-	1	-	-	-	-
Powpox and Effects of Vaccination † -	0.4	-	-	-	-	-	-	-	-	VIOLENT DEATHS.‡											
General Affections -	10.1	12	10	-	-	2	-	-	-	(ACCIDENT.)											
Erysipelas -	6.8	3	-	-	-	-	3	-	-	Fracture and Contusion -	19.5	13	-	-	2	2	4	4	1	-	-
Scrimia and Septicemia †	3.6	5	-	1	1	2	1	-	-	Gunshot Wound -	0.2	-	-	-	-	-	-	-	-	-	-
Interperal Fever -	5.1	3	-	-	3	-	-	-	-	Cut, Stab -	0.4	-	-	-	-	-	-	-	-	-	-
Other Zymotic Diseases †	1.2	1	1	-	-	-	-	-	-	Burn and Scald -	4.5	10	2	6	2	-	-	-	-	-	-
Scrub -	3.2	4	4	-	-	-	-	-	-	Poison -	1.9	1	-	-	-	1	-	-	-	-	-
Scrimia and other Parasitical Diseases -	1.0	-	-	-	-	-	-	-	-	Drowning -	4.4	8	-	-	2	4	2	-	-	-	-
Scrimia, Want of Breast-milk † -	1.9	5	5	-	-	-	-	-	-	Suffocation -	9.9	7	5	-	1	-	1	-	-	-	-
Scrimia -	5.7	9	-	-	5	2	2	-	-	Otherwise -	2.4	1	-	-	-	-	1	-	-	-	-
Scrimia Fever, Rheumatism of Heart †	7.5	7	-	-	3	2	1	1	-	(HOMICIDE.)											
Rheumatism †	2.7	1	-	-	-	-	1	-	-	Murder & Manslaughter	1.5	-	-	-	-	-	-	-	-	-	-
Scrimia †	2.3	6	-	-	-	2	4	-	-	(SUICIDE.)											
Scrimia †	3.8	4	1	3	-	-	-	-	-	Gunshot Wound -	0.5	2	-	-	-	1	1	-	-	-	-
Scrimia †	55.3	63	-	-	6	26	28	2	-	Cut, Stab -	2.0	1	-	-	-	1	-	-	-	-	-
Scrimia Mesenterica -	23.9	42	32	8	2	-	-	-	-	Poison -	1.7	-	-	-	-	-	-	-	-	-	-
Scrimia Meningitis -	27.2	17	5	11	1	-	-	-	-	Drowning -	0.4	2	-	-	-	-	1	1	-	-	-
Scrimia -	175.2	147	3	1	19	70	45	9	-	Hanging -	1.2	2	-	-	-	-	2	-	-	-	-
Scrimia, Tuberculosis -	13.5	19	7	4	3	2	2	1	-	Otherwise -	0.7	2	-	-	2	-	-	-	-	-	-
Scrimia Constitutional Diseases † -	11.0	11	-	-	1	4	3	3	-	(EXECUTION.)											
Scrimia Birth -	39.3	44	44	-	-	-	-	-	-	Hanging -	0.2	-	-	-	-	-	-	-	-	-	-
Scrimia -	3.2	2	2	-	-	-	-	-	-	OTHER CAUSES † -	62.8	81	63	9	-	-	-	3	1	-	-
Scrimia Malformations -	5.9	8	6	1	1	-	-	-	-												
Scrimia Age -	43.8	38	-	-	-	-	17	21	-												
Scrimia -	48.1	47	1	-	-	4	14	25	3												
Scrimia -	8.0	8	-	-	-	3	3	2	-												
Scrimia -	44.5	32	29	8	-	-	-	-	-												
Scrimia -	78.5	84	13	7	8	12	18	23	3												

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.  
† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.  
‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."  
§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	Deaths of															Inquest Cases Deaths in Public Institutions.
				Total Deaths.	Deaths from														
				Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON		3,815,704	2409	1472	436	305	-	38	20	38	29	-	24	1	94	49	113	347	
WEST DISTRICTS		689,633	347	254	70	67	-	5	1	3	1	-	6	1	11	8	17	66	
NORTH DISTRICTS		905,947	544	312	79	60	-	5	8	13	10	-	7	-	18	12	29	81	
CENTRAL DISTRICTS		282,258	138	114	27	22	-	-	1	4	3	-	4	-	6	5	15	33	
EAST DISTRICTS		692,733	466	317	106	57	-	14	2	15	3	-	4	-	23	11	31	61	
SOUTH DISTRICTS		1,335,148	914	453	154	94	-	14	7	3	12	-	3	-	36	13	21	79	
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	22	-	5	-	-	1	-	-	-	-	-	-	-	-	22	
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.		60983	43	30	7	7	-	1	-	2	-	-	-	-	1	1	3	7	
St. John Paddington H - - - G.J.		37330	9	10	2	4	-	-	-	-	-	-	-	-	1	-	-	4	
Kensington Town W - - - W.M.		120141	43	41	13	13	-	-	-	1	-	1	1	1	1	2	14	6	
Brompton H - - - W.M. & C.		43010	20	11	1	3	-	-	-	-	-	-	-	-	-	-	-	6	
St. Peter Hammersmith - - - W.M.		7899	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H W.M. & G.J.		64340	45	23	6	5	-	3	-	-	-	-	-	3	2	3	1	1	
Fulham W - - - W.M. & C.		42990	55	39	19	8	-	-	1	-	-	1	-	3	1	2	9	-	
Chelsea Kensal Town - - - C.		15049	16	4	1	-	-	-	-	-	-	-	-	-	-	1	-	-	
Chelsea North WHHHH - - - C.		42633	22	15	2	9	-	1	-	-	-	-	-	-	1	1	9	1	
Chelsea South H HHH - - - C.		30396	12	13	5	4	-	-	-	-	-	-	-	-	1	1	3	1	
May Fair W - - - G.J.		30353	6	4	1	1	-	-	-	-	-	-	-	-	-	-	-	2	
Belgrave WHHH - - - C.		59220	32	20	2	6	-	-	-	-	-	1	-	-	-	1	2	7	
St. John Westminster HHH - - - C.		35496	22	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Margaret Westminster H - - - C.		24679	5	12	-	3	-	-	1	-	-	1	-	-	-	-	-	5	
St. James Westminster WHH N.R. & G.J.		29941	10	14	7	4	-	-	-	-	-	-	-	-	1	-	-	1	
St. Anne Soho HHHHHH - - - N.R.		18608	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.		26759	11	12	4	2	-	-	-	-	-	-	-	-	2	1	2	5	
Cavendish Square HHHH - - - W.M.		14981	7	7	2	-	-	-	-	1	-	-	-	-	1	1	2	-	
Rectory Marylebone WH G.J. & W.M.		24490	9	3	1	1	-	-	-	-	-	-	-	-	-	-	-	1	
St. Mary Marylebone HHH G.J. & W.M.		21118	28	4	1	-	-	-	-	-	-	-	-	-	-	-	2	1	
Christchurch Marylebone HH - - - W.M.		33709	16	8	4	2	-	1	-	1	-	-	-	2	-	-	-	-	
St. John Marylebone H - - - W.M.		33633	10	5	1	1	-	-	-	-	-	1	-	-	1	1	-	-	
Hampstead WWHHHH - N.R. & W.M.		45452	32	25	3	1	-	-	2	1	1	-	1	-	1	-	-	7	
Regent's Park Pancras H - - - W.M.		39115	16	8	1	1	-	-	-	1	1	-	-	-	-	-	-	-	
Tottenham-court WHHHH N.R. & W.M.		27729	16	23	6	1	-	-	3	-	-	-	-	-	1	1	1	13	
Gray's Inn Lane HHH - - - N.R.		39247	10	9	-	-	-	-	1	-	-	-	1	-	1	1	1	5	
Barnes Town H - - - N.R.		84369	20	5	3	-	-	-	-	-	-	-	-	-	1	1	-	1	
Camden Town WH - - - N.R.		17311	12	13	2	6	-	-	-	-	-	-	-	-	-	-	2	11	
Kentish Town W - - - N.R.		87487	59	22	6	6	-	1	-	1	1	-	-	-	2	6	-	-	
Upper Holloway WWHH - - - N.R.		67946	39	39	13	10	-	-	-	2	-	-	-	-	2	1	2	18	
Islington South-west H - - - N.R.		109076	68	24	5	6	-	-	-	-	-	2	-	-	1	1	2	2	
Islington South-east - - - N.R.		61825	33	16	8	-	-	2	-	-	-	-	-	-	2	-	-	-	
Highbury H - - - N.R.		52048	25	14	4	2	-	-	-	1	-	-	-	-	-	2	2	-	
Stoke Newington H - - - N.R.		22751	18	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-	
Stamford Hill - - - E.L.		9277	6	4	-	1	-	-	-	1	-	-	-	-	-	1	1	-	
West Hackney H - - - N.R.		37610	28	9	4	1	-	-	-	-	-	-	-	-	-	-	1	-	
Hackney WWHH - - - E.L. & N.R.		76911	55	40	7	11	-	1	4	4	2	-	2	-	3	1	2	15	
South Hackney - - - E.L.		39983	23	15	3	6	-	-	-	-	1	-	-	-	2	-	1	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - - N.R.		16681	6	4	1	2	-	-	-	-	-	1	-	-	-	-	-	-	
St. Giles South WH - - - N.R.		14864	12	2	1	1	-	-	-	-	-	-	-	-	-	1	1	-	
St. Giles North H - - - N.R.		18837	3	2	-	1	-	-	-	-	-	-	-	-	-	-	1	1	
St. Martin-in-the-Fields HH N.R. & C.		17509	3	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand H - - - N.R.		7515	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	3	
St. Clement Danes H - - - N.R.		8559	2	6	2	1	-	-	-	1	-	-	-	-	-	-	-	4	
Strand Union Workhouse, Edmonton w.		-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	1	
St. Geo.-the-Martyr HHHHHH N.R.		18671	13	13	2	2	-	-	-	2	-	-	-	-	-	-	-	-	
St. Andrew Eastern W - - - N.R.		10706	7	5	-	-	-	-	-	-	-	-	-	-	1	-	1	8	
St. Andrew Hill H - - - N.R.		6538	3	1	1	-	-	-	-	-	-	-	-	-	-	1	2	1	
St. James Clerkenwell - - - N.R.		17516	8	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell - - - N.R.		19281	8	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville - - - N.R.		14773	7	9	4	-	-	-	-	-	-	-	-	-	1	-	1	-	
Goodwell-street - - - N.R.		17506	11	5	2	1	-	-	-	-	-	-	-	-	3	-	1	-	
Old-street H - - - N.R.		11541	8	3	2	-	-	-	-	-	-	-	-	-	-	-	1	-	
City-road HHL - - - N.R.		18628	29	8	4	1	-	-	-	-	-	-	-	-	-	-	-	2	
Whitecross-street - - - N.R.		9217	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Finsbury - - - N.R.		7448	2	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	
Holborn Union Workhouse, Mitcham w.		-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	2	
St. Botolph H - - - N.R. & E.L.		11174	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate - - - N.R.		7195	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre H - - - N.R.		8355	2	17	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Bride W - - - N.R.		8390	2	3	1	1	-	-	1	2	-	-	2	-	-	1	2	10	
Allhallows Barking - - - N.R.		13666	4	3	2	-	-	-	-	-	-	-	-	-	-	1	1	-	
Broad Street H - - - N.R.		5552	2	3	-	1	-	-	-	-	-	-	-	-	-	1	1	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishments; and—districts from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different rivers; E. L., East London; and K., the Kent Company.

REGISTRATION		Sums rated Popu- lation, 1881.	Total Deaths.	Deaths of		Deaths from												Deaths of Cause of Death.	
SUB-DISTRICTS.				Total Deaths.	Deaths of Cause of Death.	Deaths from													
EAST DISTRICTS.																			
Shoreditch South	HL*	-	-	N.R.	22343	10	7	2	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town	w	-	-	N.R.	29937	16	13	3	4	-	2	1	-	-	-	-	-	-	-
Hoxton Old Town	-	-	-	N.R.	28036	16	7	2	2	-	-	-	-	-	-	-	-	-	-
Haggerston	WH	-	-	N.R. & E.L.	46275	78	22	6	6	-	1	-	3	-	-	-	-	-	-
Bethnal Green North	H	-	-	E.L.	51157	33	23	10	1	-	1	-	-	1	-	-	-	-	-
Bethnal Green South	-	-	-	E.L.	34389	20	7	3	-	-	-	-	-	1	-	-	-	-	-
Bethnal Green East	WHL*	-	-	E.L.	41405	27	16	3	3	-	-	-	2	-	-	-	-	-	-
Spitalfields	-	-	-	E.L. & N.R.	22585	12	9	6	1	-	-	-	-	1	-	-	-	-	-
Mile End New Town	w	-	-	E.L.	15473	13	11	1	2	-	1	-	-	-	-	-	-	-	-
Whitechapel Church	H	-	-	E.L. & N.R.	17490	17	16	3	-	-	1	-	1	-	-	-	-	-	-
Goodman's Fields	-	-	-	E.L.	9713	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Algate	-	-	-	N.R. & E.L.	6102	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. George's, North	-	-	-	E.L.	38747	36	33	20	2	-	1	-	2	-	-	-	-	-	-
St. John, St. George East	w	-	-	E.L.	8410	5	7	1	4	-	-	-	-	-	-	-	-	-	-
Shadwell	H	-	-	E.L. & N.R.	10395	7	16	1	1	-	-	1	-	-	-	-	-	-	-
Ratcliff	-	-	-	E.L.	16107	7	5	-	3	-	-	-	-	-	-	-	-	-	-
Limehouse	-	-	-	E.L.	32041	24	13	6	2	-	3	-	1	-	-	-	-	-	-
Mile End Old Town West	H	-	-	E.L.	37960	36	10	7	-	-	-	-	-	-	-	-	-	-	-
Mile End Old Town East	WwwH	-	-	E.L.	67553	40	50	10	6	-	2	-	2	-	-	-	-	-	-
Bow	L*	-	-	E.L.	37074	20	12	5	4	-	-	-	2	-	-	-	-	-	-
Bromley	wwwH	-	-	E.L.	43359	46	37	9	10	-	-	-	-	-	-	-	-	-	-
Poplar	WWH	-	-	E.L.	55077	42	26	8	6	-	3	-	1	-	-	-	-	-	-
SOUTH DISTRICTS.																			
Christchurch Southwark	WH	-	-	L. & S.	15663	7	4	3	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark	-	-	-	S.	14989	6	7	3	-	-	1	-	-	-	-	-	-	-	-
Kent-road	-	-	-	S. & L.	21331	15	7	4	1	-	-	-	-	-	-	-	-	-	-
Borough-road	WH	-	-	S. & L.	15953														



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 11th October, 1881)

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, Inclu- ding Tidal Water and Fore- shore.	Ename- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include															
						Deaths of		Deaths from										In- quest Cases.	Deaths in Public Institutions.		
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.						
LONDON—OUTER RING						370,924	950,957	747	371	110	83	-	11	9	10	12	4	33	13	20	28
80:1	Carshalton <i>wL</i>	-	12228	21118	9	4	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-
2	Epsom (part of) * <i>WwH</i>	-	9971	10710	6	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
37:1	Godstone (part of) *	-	2754	1235	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon <i>Ww L</i>	-	90851	101241	68	33	7	14	-	1	-	1	-	-	-	-	2	2	2	2	4
2	Mitcham <i>w</i>	-	11697	17932	11	9	3	3	-	-	-	-	-	-	-	-	2	1	1	1	-
39:1	Wimbledon <i>HHH</i>	-	3220	15950	9	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Kingston <i>WHH</i>	-	8549	36354	28	9	2	1	-	-	-	-	-	-	-	-	1	2	1	1	-
3	Esher (part of) *	-	6601	9221	5	3	-	2	-	-	-	-	1	-	-	-	-	-	1	-	-
4	Hampton <i>H</i>	-	4573	13539	13	7	1	3	-	-	-	-	-	-	-	-	1	1	1	1	-
40:1	Richmond <i>WH</i>	-	2272	21302	15	8	1	4	-	-	-	-	-	-	-	-	-	1	1	1	3
2	Mortlake	-	2941	12331	10	9	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-
41:1	Bromley (pt. of) * <i>HH</i>	-	15689	31142	26	12	3	6	-	1	-	-	1	-	-	-	-	-	-	-	-
2	Chislehurst (pt. of) * <i>WHH</i>	-	14307	15844	-	2	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
42:1	Bexley <i>H</i>	-	13437	24134	11	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Dartford ( <i>Ww</i> , pts. of) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury <i>w</i>	-	11055	11685	5	5	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-
2	Staines <i>W</i>	-	13277	12089	3	3	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
125:1	Hillingdon <i>WHH</i>	-	6029	10802	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Uxbridge	-	6178	5225	2	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Hayes <i>wHL</i>	-	14537	11523	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136:1	Isleworth <i>WHH</i>	-	7008	22727	1	7	1	2	-	-	-	-	1	-	-	-	-	-	1	2	-
2	Twickenham <i>H</i>	-	2477	12479	15	5	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-
3	Brentford <i>HL</i>	-	4245	27649	15	13	3	3	-	1	3	-	-	-	-	-	1	1	2	1	-
4	Chiswick	-	1340	15975	12	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Aston <i>wH</i>	-	6033	22376	24	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
127:1	Harrow <i>H</i>	-	13809	12796	3	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Edgware <i>H</i>	-	6994	3749	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
3	Willesden	-	4583	27453	38	16	6	1	-	2	-	-	1	-	-	-	-	-	-	-	-
4	Hendon <i>W</i>	-	8382	10454	9	7	1	1	-	-	-	-	-	-	-	-	2	1	1	-	-
137:1	Bushy	-	9331	6631	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Watford ( <i>W</i> , pt. of) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128:1	South Mimms	-	15549	6891	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Barnet	-	7413	10092	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Finchley <i>HL</i>	-	4683	17615	12	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
135:3	Hatfield (part of) *	-	2306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:1	Hornsey <i>H</i>	-	3039	37076	13	11	1	3	-	-	-	-	-	-	-	-	-	1	3	-	-
2	Tottenham <i>H</i>	-	4642	46456	54	27	11	5	-	-	-	-	1	-	-	-	3	2	3	2	-
3	Edmonton <i>Ww</i>	-	7483	23463	23	18	6	3	-	-	-	-	3	-	-	-	4	-	1	3	-
4	Enfield <i>WH</i>	-	12653	19104	17	8	4	1	-	-	-	-	1	-	-	-	3	-	-	1	-
5	Waltham Abbey	-	11017	5263	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt <i>H</i>	-	8490	7735	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136:1	Stratford	-	832	38606	23	12	6	1	-	-	1	-	-	-	-	-	3	-	-	-	-
2	West Ham <i>WHH</i>	-	4055	90347	99	37	11	4	-	4	3	1	-	-	2	-	3	-	-	-	-
3	East Ham <i>w</i>	-	3296	10708	24	12	6	-	-	-	-	-	2	-	-	-	1	-	-	-	-
4	Leyton <i>WwL</i>	-	4372	32430	35	21	10	3	-	-	1	2	1	1	2	-	-	-	-	5	-
5	Walthamstow <i>H</i>	-	6570	28369	24	12	4	1	-	-	-	1	-	-	-	-	3	-	1	-	-
137:1	Chigwell (part of) * <i>H</i>	-	11761	9339	8	3	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
2	Epping ( <i>W</i> , pt. of) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139:1	Romford (part of) * <i>W</i>	-	6730	3411	7	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3
2	Ilford	-	3493	7645	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town	-	4127	9293	10	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 20:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadman and Kneebolt (pop. 1819); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 11th October, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 3-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
WATER LONDON	448,334	5,758,500	16.7	2.9	1846	546	338	-	49	29	48	41	29	127	61	375		
INNER LONDON	77,410	4,421,661	17.4	2.9	1472	433	305	-	33	20	38	29	25	94	40	347		
OUTER RING	370,924	1,336,839	14.6	3.1	374	110	83	-	11	9	10	12	4	33	12	28		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
CUTTACK - -	433,219	August 16	-	206	24.8	-	-	-	-	1	83	22	
BOMBAY - -	773,196	September 16	295	411	23.0	1	1	-	1	-	61	18	
MADRAS - -	398,777	August 22	370	573	74.6	1	6	-	-	-	112	43	
		" 29	372	595	77.5	2	8	-	-	-	116	25	
COCHIN - -	2,260,945	October 4	916	824	19.0	-	6	5	17*	4	21	78	
PARIS (8 Faubourgs.)	477,288	" 4	189	163	17.8	1	1	-	1	2	2	25	
AMSTERDAM -	406,302	" 4	203	122	15.6	-	-	-	4	1	-	-	
ROTTERDAM -	203,486	" 4	114	65	16.6	-	-	-	-	1	-	1	
THE HAGUE -	156,497	" 4	102	78	25.9	-	14	-	2	-	-	-	
BRUSSELS - -	312,387	" 4	191	126	21.0	-	2	3	9	2	-	18	
STOCKHOLM -	236,350	September 27	156	83	18.3	-	-	10	3*	7	1	17	
CHRISTIANIA -	143,300	October 4	26	50	18.1	-	-	2	5	-	-	7	
PETERSBURG -	812,000	September 27	-	370	22.9	8	2	12	9	3	12	55	
BERLIN - -	1,526,887	" 20	838	592	19.9	-	1	8	37	8	2	95	
FRANKFURT (State)	575,276	" 27	436	213	19.2	-	3	1	7*	3	3	18	
BRUSSELS - -	269,250	" 27	137	99	19.1	1	-	2	1	3	-	16	
PRAGUE - -	324,400	October 4	229	155	24.9	-	-	3	5*	1	3	23	
VIENNA - -	298,000	" 4	-	135	23.6	-	1	2	2*	1	-	39	
GENOA - -	822,176	" 4	426	312	19.7	2	3	1	6	-	2	29	
LYON - -	514,425	" 4	-	129	21.4	-	2	1	6	1	2	5	
PARIS (11 days)	463,017	September 27	272	217	24.4	-	-	7	9	1	3	33	
PARIS - -	160,092	October 4	82	62	20.1	-	-	-	3*	1	1	12	
PARIS - -	418,217	September 6	213	145	18.2	-	-	-	3	-	12†	24	
PARIS (11 days)	314,827	August 31	275	173	18.7	-	-	-	2	-	7	41	
PARIS - -	156,513	September 20	-	-	-	-	-	-	-	-	-	-	
PARIS - -	374,838	" 11	345	385	53.4	-	-	-	2*	1	18	143	
ALEXANDRIA -	231,996	" 11	187	207	46.5	-	-	-	2*	1	11	59	
NEW YORK - -	1,617,997	" 20	-	660	21.0	-	6	8	20	17	17	83	
BROOKLYN - -	869,612	" 20	-	350	21.0	-	3	2	13	4	4	41	
PHILADELPHIA -	1,064,277	" 20	-	322	15.8	-	-	2	4	1	14	28	
BALTIMORE - -	500,343	" 20	-	169	17.6	-	-	-	4	3	9	14	
NEW ORLEANS*	254,000	" 13	-	123	25.9	-	-	-	1	-	5	4	

\* Including deaths from croup.

† Including 3 and 5 deaths from cholera respectively in Calcutta, 3 in Bombay, and 129 and 105 respectively in Madras.

‡ Including 11 deaths from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the week ending Saturday, 11th October, 1902.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										TEMPERATURE.										Wind as deduced from Anemometers.										Rain collected in a Gauge whose surface is 5 inches above the level of the Ground.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
MONTH AND DAY.		BARO-METER.		Of the Air.				Of the Dew Point.		Difference between the Air and Dew Point Temperature.		Of Radiation.		Of the Water of the Thames at Deptford.		General Direction.		Pressure on the Square Foot.		Robinson's.		Departure from Average on each Day.		Horizontal Movement of the Air on each Day.		Miles.		Miles.		in.		Ozone.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Phases of the Moon.		Mean daily reading (corrected for refraction and reduced to 32° Fahr. height).		Low. est.		Dully Range.		Mean daily value.		Mean daily value.		Great. est.		Least.		High. est. in 100°.		Lowest on the Grass.		High. est.		Low. est.		A.M.		P.M.		Great. est.		Least.		Mean of 24 hourly obs.		Horizontal Movement of the Air on each Day.		Departure from Average on each Day.		Miles.		Miles.		in.		Ozone.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
OCTOBER.		Greatest Dec. N. Last Qr.		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
SUN.		65.7		50.5		57.8		15.2		52.7		5.1		11.9		83		105.7		42.8		59.2		58.1		WSW.		WSW. & SW.		1.2		0.0		0.0		285		+ 40		0.00		0.0		0.0		0.0		0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
MON.		68.6		53.2		59.5		15.4		52.5		7.0		15.6		78		119.3		46.0		59.2		58.0		SW. & WSW.		WSW. & SW.		1.3		0.0		0.0		285		+ 41		0.02		0.0		0.0		0.0		0.0		0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
TUES.		62.2		53.3		57.1		8.9		56.9		0.2		4.9		99		82.0		48.5		59.6		53.5		SW.		SW. WSW. & N.E.		3.4		0.0		0.2		346		+ 103		0.31		0.0		0.0		0.0		0.0		0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
WED.		62.1		45.0		53.0		17.1		44.6		8.4		16.7		73		118.6		38.0		59.4		53.4		NNE. & N.E.		SSW. & SW.		1.3		0.0		0.0		245		+ 2		0.00		0.0		0.0		0.0		0.0		0.0		0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
THURS.		61.0		36.6		48.5		24.4		42.6		5.9		16.0		80		117.8		31.7		53.6		57.5		Calin. & SSW.		SSW. & SW.		0.0		0.0		0.0		119		- 125		0.00		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	

The height of the cistern of the barometers 150 feet above the mean level of the sea; in correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 4h. A.M.; 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the above-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are incorporated into mean daily values by the application of corrections deduced from a discussion of the photographic records kept during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer forming the corrected mean of the readings of the maximum and minimum thermometers, the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the thermometer, 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometers. The symbols employed are: -P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The wind of the 7th, increased to 20-31 in. 9h. A.M. on the 9th; decreased to 20-15 in. 9h. A.M. on the 10th; increased to 20-31 in. 9h. A.M. on the 11th; decreased to 20-15 in.

DATE.		ELECTRICITY. (For explanation of symbols, see Note.)		REGISTERED SUNSHINE, in hours.		SUNSHORE HORIZON, in hours.		GENERAL REMARKS.	
OCTOBER.									
SUNDAY	5	W. P.	.	.	.	0.9	11.3	Cloudy.	
MONDAY	6	W. P.	.	.	.	3.7	11.2	Rain in early morning; partially cloudy and fine till noon; afterwards overcast.	
TUESDAY	7	W. P.	.	.	.	0.0	11.2	Overcast; frequent rain.	
WEDNESDAY	8	W. P. till afternoon; m. P. afterwards.	.	.	.	7.7	11.1	Fine; small amounts of light cloud generally prevalent.	
THURSDAY	9	W. P. till evening; m. P. at night.	.	.	.	7.4	11.0	Very fine; generally cloudless; slight fog in morning.	
FRIDAY	10	W. P. in morning; m. P. afterwards.	.	.	.	8.2	11.0	Very fine; cloudless throughout. Slight hoar frost in morning.	
SATURDAY	11	m. P. generally	.	.	.	8.6	10.9	Very fine; cloudless in morning; small amounts of thin cloud till evening; cloudless at night.	
						Sum	Sum		
						38.5	77.7		

**OFFICIAL COPY.**

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 42. 1890. VOL. LI.]      WEEK ENDING SATURDAY, OCTOBER 18.      [Price 1½d.

*General Register Office, Somerset House,  
20th October, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·8 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.		Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.
Birkenhead	21·8	22·3	25·3	23·3	Liverpool -	25·8	22·0	21·7	22·0
Birmingham	17·2	16·7	20·3	16·7	London -	17·2	16·7	17·4	20·5
Blackburn -	27·4	25·3	32·9	26·6	Manchester	32·6	30·6	29·0	28·0
Bolton -	23·9	16·7	22·5	24·3	Newcastle-on-Tyne	25·6	31·4	25·9	22·7
Bradford -	20·8	22·1	25·6	22·5	Norwich -	27·9	28·4	20·8	20·2
Brighton -	17·7	18·6	16·9	17·3	Nottingham	14·3	18·7	17·7	12·3
Bristol -	15·0	14·1	14·6	19·8	Oldham -	22·7	16·3	17·8	22·4
Cardiff -	30·7	20·1	25·4	20·1	Plymouth -	28·5	33·1	24·5	13·9
Derby -	11·4	10·3	12·4	19·1	Portsmouth	21·9	16·4	18·2	15·7
Halifax -	25·4	17·2	23·5	21·0	Preston -	32·2	34·2	24·3	25·8
Huddersfield	17·7	18·8	19·4	18·3	Salford -	21·3	20·0	22·8	21·5
Hull -	20·7	18·8	17·8	18·0	Sheffield -	20·8	26·6	21·1	24·9
Leeds -	21·9	18·9	22·9	19·1	Sunderland	25·2	26·0	22·9	25·2
Leicester -	16·6	15·5	19·6	19·9	Wolverhampton	24·4	22·5	21·9	23·1

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·4 in Bolton, 1·5 in Preston, 1·7 in Brighton, 1·8 in Manchester, 2·1 in Oldham, 2·2 in Bradford, and 3·0 in Birkenhead; from *scarlet fever*, 1·1 in Sunderland, and 1·7 in Liverpool; from *whooping-cough*, 1·3 in Wolverhampton and in Newcastle-upon-Tyne; and from *diarrhoea*, 3·1 in Cardiff, 3·2 in Bolton, in Manchester, and in Hull, 3·3 in Sheffield, 3·7 in Leicester, 4·2 in Blackburn, and 5·5 in Preston. The rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 61 deaths from *diphtheria* included 41 in London, 5 in Birmingham, 3 in Manchester, 3 in Salford, 2 in Portsmouth, and 2 in Birkenhead. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2412 BIRTHS and 1741 DEATHS were registered. Allowing for increase of population, the births were 352 below, while the deaths exceeded by 110, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16·7 and 17·4 in the preceding two weeks, further rose last week to 20·5. Thus, during the first three weeks of the current quarter the death-rate averaged 18·2 per 1000, being identical with the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881: nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1741 deaths included 59 from measles, 20 from scarlet fever, 41 from diphtheria, 30 from whooping-cough, 21 from enteric fever, 2 from ill-defined forms of continued fever, 75 from diarrhœa and dysentery, 2 from cholera and choleraic diarrhœa, and not one from small-pox or from typhus; thus, 250 deaths were referred to these diseases, exceeding by 48 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 4; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 22, 30, and 38 in the preceding three weeks, further increased last week to 59, and exceeded the corrected average by 26; 27 belonged to the East and 24 to the South groups of sanitary areas. The 20 fatal cases of *scarlet fever* corresponded with the number recorded in each of the previous two weeks, and were 29 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1921 scarlet-fever patients at the end of last week, the numbers on the preceding eight Saturdays having increased from 1427 to 1850; 208 cases were admitted during the week, against 249 and 225 in the preceding two weeks. The deaths from *diphtheria*, which had numbered 38, 28, and 38 in the preceding three weeks, further increased last week to 41, exceeding the corrected average by 14. The 30 deaths from *whooping-cough* exceeded the number recorded in the previous week by one, and the corrected average by 6. The deaths from *diarrhœa* and *dysentery*, which had been 105 and 94 in the preceding two weeks, further declined last week to 75, but were double the corrected average; 62 were of children under 5 years of age, and 7 of persons aged 60 years and upwards. One death was attributed to *infantile cholera*, and one to *choleraic diarrhœa*.

The deaths referred to *enteric fever*, which had been 24 in each of the two preceding weeks, numbered 21 last week, being 3 below the corrected average. The Metropolitan Asylum Hospitals contained 169 cases of enteric fever, and one of typhus, on Saturday last; 23 cases of enteric fever were admitted during the week, against 27 and 23 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been but 197 in the previous week, increased last week to 340, being, however, 7 below the corrected average.

Different forms of violence caused 52 deaths, concerning all but one of which inquests were held. Of these 52 deaths, 6 were cases of suicide, and one of murder, while the remaining 45 were attributed to accident or negligence. Eight of these were caused by horses or vehicles in the streets, 4 by burns or scalds, one by poison, 8 by drowning, and 10 of infants aged under one year by suffocation.

#### GREATER LONDON.

In Greater London 3172 births and 2168 deaths were registered, corresponding to annual rates of 28·7 and 19·6 per 1000 of the estimated population. In the Outer Ring 20 deaths were referred to measles, 18 to diphtheria, 17 to diarrhœa, and 9 to "fever." The deaths from diphtheria included 2 in Carshalton, 2 in Brentford, and 2 in Acton sub-districts, and 10 in West Ham district. Eight deaths from measles were recorded in West Ham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·84 ins.; the highest reading was 30·25 ins. on Sunday morning, and the lowest 29·43 ins. on Wednesday evening. The mean temperature of the *air* was 47°·7, and 3°·6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency amounting on Monday to 6°·5, and on Tuesday to 7°·6. The direction of the *wind* was variable, and the horizontal movement of the air averaged 12·9 miles per hour, which was 2·2 miles above the average in the corresponding weeks of 16 years. *Rain* fell on two days of the week, to the aggregate amount of 0·20 of an inch. The duration of registered bright sunshine in the week was 16·0 hours, against 28·7 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 18th October 1890.

CITIES AND BOROUGHES.	POPULATION estimated to the middle of the Year 1880.*	Registered during the Week ending 18th Oct., 1890.		Deaths of		Deaths from										TEMPERATURE OF THE AIR.					RAINFALL.		CITIES AND BOROUGHES.		
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Causes.	From Diseases in Cols. 6-12.	Fahrenheit.			In Inches.		In Cent.	
																			Highest.	Lowest.	Mean.			In Inches.	In Cent.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.
28 TOWNS.	9,715,589	5405	3870	1163	679	-	121	65	61	59	56	285	121	246	644	52	20.8	3.5	67.0	29.4	48.8	9.33	0.27	0.69	- 28 TOWNS.
LONDON	4,421,661	2412	1741	491	351	-	59	20	41	30	23	75	52	123	397	12	20.5	2.9	64.9	33.9	47.7	8.72	0.20	0.51	LONDON.
BRIGHTON	123,659	56	41	10	6	-	4	-	1	1	-	2	1	1	1	2	17.3	3.4	59.0	43.0	50.0	10.00	0.29	0.74	BRIGHTON.
PORTSMOUTH	142,982	99	43	8	7	-	-	-	2	1	2	1	5	6	11	-	15.7	2.2	67.0	39.5	50.3	10.17	0.14	0.36	PORTSMOUTH.
NORWICH	95,352	60	37	11	12	-	-	-	-	1	-	4	3	3	3	-	20.2	2.7	-	-	-	-	-	-	NORWICH.
PLYMOUTH	78,780	32	21	5	7	-	-	-	-	-	1	1	5	5	7	16	19.8	2.0	64.0	38.8	50.2	10.11	0.22	0.56	PLYMOUTH.
BRISTOL	232,248	125	88	30	17	-	1	1	-	1	1	5	5	7	16	-	19.8	2.0	63.4	36.5	49.1	9.50	0.39	0.99	BRISTOL.
WOLVERHAMPTON	83,406	48	37	15	6	-	1	-	-	2	1	4	-	-	7	-	23.1	5.0	60.8	36.1	46.8	8.22	0.41	1.04	WOLVERHAMPTON.
BIRMINGHAM	461,865	255	148	49	18	-	1	5	5	1	2	18	4	6	21	4	16.7	3.6	-	-	-	-	-	-	BIRMINGHAM.
LEICESTER	164,344	84	59	28	12	-	2	-	-	-	-	11	3	4	7	-	18.9	4.4	-	-	-	-	-	-	LEICESTER.
NOTTINGHAM	244,069	112	58	14	9	-	1	-	-	1	2	4	-	2	6	1	12.3	1.7	64.6	29.4	47.6	8.67	0.41	1.04	NOTTINGHAM.
DERBY	100,871	40	37	13	9	-	-	-	1	-	1	-	-	3	10	-	19.1	1.0	-	-	-	-	-	-	DERBY.
BIRKENHEAD	105,049	60	47	11	6	-	6	-	2	1	1	4	1	1	9	-	23.3	6.9	-	-	-	-	-	-	BIRKENHEAD.
LIVERPOOL	613,463	334	259	74	28	-	1	20	1	4	2	16	12	15	32	14	22.0	3.7	62.3	40.6	49.1	9.50	0.41	1.04	LIVERPOOL.
BOLTON	115,846	73	54	18	4	-	3	1	-	-	-	7	-	4	3	-	24.3	5.0	-	-	-	-	-	-	BOLTON.
MANCHESTER	379,457	217	204	57	32	-	13	6	3	1	3	23	10	22	41	4	28.0	6.7	-	-	-	-	-	-	MANCHESTER.
SALFORD	242,509	119	100	32	14	-	2	1	3	-	1	12	5	6	14	1	21.5	4.1	-	-	-	-	-	-	SALFORD.
OLDHAM	146,716	82	63	15	10	-	6	-	-	1	1	5	3	5	2	-	22.4	4.6	-	-	-	-	-	-	OLDHAM.
BLACKBURN	123,553	83	63	29	16	-	-	1	-	-	1	10	-	1	3	2	26.6	5.1	-	-	-	-	-	-	BLACKBURN.
PRESTON	105,163	69	52	25	8	-	3	-	-	1	1	11	1	-	3	4	25.8	7.9	-	-	-	-	-	-	PRESTON.
HUDDESFIELD	94,253	46	33	6	7	-	-	-	-	-	-	-	-	-	3	-	18.3	0.6	-	-	-	-	-	-	HUDDESFIELD.
HALIFAX	82,054	52	33	10	6	-	-	1	-	-	1	3	1	1	3	1	21.0	3.2	-	-	-	-	-	-	HALIFAX.
BRADFORD	240,515	110	104	28	16	-	10	2	-	2	1	9	-	5	7	1	22.5	5.2	65.3	43.6	50.7	10.39	0.27	0.69	BRADFORD.
LEEDS	363,799	240	133	45	18	-	4	-	-	-	3	12	5	11	14	1	19.1	2.7	-	-	-	-	-	-	LEEDS.
SHEFFIELD	332,857	194	159	57	23	-	2	3	1	1	4	21	2	2	5	4	24.9	5.0	-	-	-	-	-	-	SHEFFIELD.
HULL	213,833	130	74	28	11	-	-	1	-	3	1	13	2	4	7	1	18.0	4.4	64.0	38.0	47.4	8.56	0.12	0.30	HULL.
SUNDERLAND	136,506	87	66	21	8	-	-	3	-	2	2	4	2	6	8	-	25.2	4.2	-	-	-	-	-	-	SUNDERLAND.
NEWCASTLE	162,987	105	71	19	10	-	-	-	1	4	-	3	1	4	4	1	22.7	2.6	58.0	39.0	47.8	8.78	0.11	0.28	NEWCASTLE.
CARDIFF	117,012	81	45	14	8	-	2	-	-	1	1	7	2	2	5	1	20.1	4.9	-	-	-	-	-	-	CARDIFF.
EDINBURGH	271,135	108	99	19	28	-	-	-	-	1	1	5	2	2	18	23	19.0	1.7	65.2	39.5	51.0	10.56	0.32	1.32	EDINBURGH.
GLASGOW	180,208	349	224	45	40	-	6	2	1	10	-	10	7	2	33	25	22.0	2.9	61.7	41.1	50.2	10.11	0.59	1.50	GLASGOW.
DUBLIN	353,052	149	144	39	37	-	-	-	-	4	6	13	4	4	40	16	21.3	3.4	63.8	35.9	48.8	9.33	0.28	0.71	DUBLIN.

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-SECOND Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2362	2681	2358	2370	2812	2572	2647	2568	2459	2518	2764.0	2412
Males . .	1219	1353	1209	1217	1436	1282	1352	1304	1280	1287	1411.0	1253
Females .	1143	1328	1149	1153	1376	1290	1295	1264	1179	1231	1353.0	1159
<b>TOTAL Deaths</b>	1518	1586	1444	1403	1517	1458	1406	1566	1641	1410	1630.7	1741
Males . .	797	842	736	722	777	742	714	809	854	721	841.2	892
Females .	721	744	708	686	740	716	692	757	787	689	789.5	849

\* The numbers in this column are the average weekly numbers in the forty-second weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.
<b>TOTAL Births</b>	2512	2557	2176	2527	2487	2614	2469	2539	2355	2458	2433	2409	2412
<b>TOTAL Deaths</b>	1418	1683	1594	1751	1629	1659	1514	1410	1375	1458	1413	1472	1741
<b>Ages at Death</b>													
{ 0-20 years	793	938	915	1019	961	911	796	687	667	740	726	747	870
{ 20-40 "	132	186	171	169	148	190	177	183	200	182	170	180	204
{ 40-60 "	227	232	225	263	233	265	240	238	214	236	223	240	316
{ 60-80 "	219	277	230	246	235	234	245	256	232	256	253	254	231
{ 80 years & upwards	47	50	53	54	49	59	56	46	62	44	41	51	70
<b>" Under 1 year</b>	438	554	549	635	603	525	459	395	376	429	433	436	491
<b>" 1-5</b>	282	286	294	294	292	282	217	217	227	207	193	213	260
<b>" 5-20</b>	73	98	72	90	69	104	90	75	64	104	100	98	119
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	-	-	-	1	-	-	-
<b>" " Measles</b>	94	82	95	80	73	60	56	39	33	22	30	38	59
<b>" " Scarlet fever</b>	13	19	17	27	16	24	18	18	14	16	20	20	20
<b>" " Diphtheria</b>	20	36	22	15	20	26	16	18	35	38	28	38	41
<b>" " Whooping-cough</b>	62	45	37	39	39	39	46	35	33	29	13	29	30
<b>" " Typhus</b>	-	-	-	-	-	-	-	1	-	-	-	-	-
<b>" " Enteric fever</b>	2	11	11	16	11	17	18	18	21	12	24	24	21
<b>" " Simple Cont<sup>d</sup> fever</b>	-	1	1	1	-	-	1	-	-	2	1	1	2
<b>" " Diarrhoea and Dysentery</b>	107	177	176	262	255	180	128	117	94	86	105	94	75
<b>" " Cholera</b>	1	7	4	10	12	7	5	5	3	6	3	2	2
<b>" " all the above-mentioned Diseases</b>	299	378	363	450	426	353	288	251	238	218	229	246	250
<b>" " Dis. of Respiratory System</b>	185	215	197	208	203	184	180	210	187	222	262	197	340
<b>" " Phthisis</b>	110	147	126	129	119	167	139	136	157	130	123	147	204
<b>" " Dis. of Circulatory System</b>	107	118	119	113	116	100	120	114	136	104	100	123	144
<b>Violent Deaths</b>	56	73	50	75	54	57	54	55	43	52	61	49	52
<b>Inquest Cases</b>	111	134	103	118	105	105	98	109	83	103	107	113	123
<b>Deaths in Public Institutions</b>	333	405	373	403	343	364	391	360	360	377	335	347	397
<b>TEMPERATURE OF THE AIR</b>													
Mean	61.6	62.9	62.6	61.1	59.0	54.4	58.4	59.4	60.4	58.8	56.7	54.3	47.7
Mean of Highest readings	73.9	74.4	73.8	73.2	69.0	66.5	71.0	73.2	71.7	69.2	66.3	64.1	56.5
Mean of Lowest readings	52.6	53.9	53.2	54.6	51.8	46.0	48.4	48.2	51.0	50.9	49.3	45.5	39.8
<b>Humidity of the Air</b>	75	77	77	82	81	80	83	79	74	83	76	82	82
<b>Rain-fall in inches</b>	0.08	0.11	0.00	0.78	1.03	0.67	0.00	0.00	0.34	0.31	0.00	0.33	0.20
<b>Registered Sunshine (in hours)</b>	44.6	31.9	30.5	32.6	31.9	56.5	26.8	48.6	50.7	24.9	36.9	36.5	16.0

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-SECOND Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 42nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 14th October 1890.								Corrected Averages for the 42nd Weeks of the 10 years 1880-89.*	CAUSES OF DEATH.	Corrected Averages for the 42nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 18th October 1890.															
		Deaths of Persons of the Ages											Deaths of Persons of the Ages															
		ALL AGES.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.	Under 20.				20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.												
		0-1.	1-5.	5-20.								0-1.	1-5.	5-20.														
ALL CAUSES - -	1630.7	1741	491	260	119	204	316	281	70	Diseases of Organs of Special Sense † - -	3.0	6	1	-	1	2	2	-	-									
Small-pox { Vaccinated †	0.7	-	-	-	-	-	-	-	-	Diseases of Circulatory System - -	124.7	144	1	3	10	18	47	53	10									
{ Unvaccinated	1.9	-	-	-	-	-	-	-	-	Croup - - - - -	17.8	16	4	10	2	-	-	-	-									
{ No Statement	1.2	-	-	-	-	-	-	-	-	Bronchitis - - - -	203.7	203	81	40	3	6	24	43	6									
Measles - - - -	33.0	59	7	44	8	-	-	-	-	Pneumonia - - - -	83.2	84	25	25	3	7	11	10	3									
Scarlet Fever - -	48.5	20	2	15	2	-	-	-	-	Pleurisy - - - - -	4.9	6	-	1	2	-	3	-	-									
Typhus - - - - -	1.0	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	31.3	31	5	5	2	2	6	10	1									
Relapsing Fever †	0.0	-	-	-	-	-	-	-	-	Dentition † - - - -	10.7	8	5	3	-	-	-	-	-									
Influenza - - - -	0.1	1	-	-	1	-	-	-	-	Quincy, Sore Throat †	2.0	6	1	4	-	-	1	-	-									
Whooping-cough -	24.4	30	11	18	1	-	-	-	-	Enteritis - - - - -	8.5	18	11	3	1	-	1	-	-									
Diphtheria - - -	27.3	41	-	23	13	1	2	2	-	Peritonitis - - - -	7.9	7	-	-	2	3	2	-	-									
Simple Continued (and Ill-defined) Fever -	2.6	2	-	1	-	-	1	-	-	Diseases of Liver - -	32.2	22	3	-	-	3	11	5	-									
Enteric Fever - -	33.9	21	-	-	1	9	1	1	-	Other Diseases of Digestive System -	29.4	30	6	2	1	4	8	9	-									
Cholera and Chol. Diarr.	0.3	2	1	1	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - -	1.3	7	-	-	2	2	2	1	-									
Diarrhoea, Dysentery	37.2	75	55	7	2	-	4	4	3	Diseases of Urinary System - - - -	50.9	37	-	-	-	3	17	17	-									
Erethitic Fever - -	0.0	-	-	-	-	-	-	-	-	Diseases of Generative System & of Childbirth -	7.1	2	-	-	-	-	2	-	-									
Hydrophobia - -	0.2	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4.8	2	-	-	-	2	-	-	-									
Randlers - - - -	0.1	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - - -	3.5	5	-	1	3	-	1	-	-									
Cowpox and Effects of Vaccination † - -	0.3	-	-	-	-	-	-	-	-	Diseases of Integumentary System - - - -	5.2	5	-	1	-	1	-	3	-									
General Affections -	11.3	15	10	-	-	2	2	1	-	VIOLENT DEATHS.‡																		
Erysipelas - - -	9.4	9	1	-	-	1	2	4	1	(ACCIDENT.)																		
Pyæmia and Septicæmia †	2.5	3	-	1	-	1	1	-	-	Fracture and Contusion	21.7	20	2	1	6	1	5	4	1									
Puerperal Fever -	6.3	7	-	-	-	7	-	-	-	Gunshot Wound - -	0.1	-	-	-	-	-	-	-	-									
Other Zymotic Diseases †	1.3	1	-	1	-	-	-	-	-	Cut, Stab - - - - -	0.4	-	-	-	-	-	-	-	-									
Thrush - - - - -	2.6	2	2	-	-	-	-	-	-	Burn and Scald - -	6.0	4	-	1	1	1	-	-	1									
Worms and other Parasitical Diseases - -	0.8	-	-	-	-	-	-	-	-	Poison - - - - -	1.6	1	-	-	-	-	1	-	-									
Starvation, Want of Breast-milk † - -	2.1	-	-	-	-	-	-	-	-	Drowning - - - - -	5.1	8	-	-	2	4	2	-	-									
Alcoholism - - -	5.6	9	-	-	-	7	2	-	-	Suffocation - - - -	13.5	10	10	-	-	-	-	-	-									
										Otherwise - - - - -	2.8	2	-	-	-	-	2	-	-									
Rheumatic Fever, Rheumatism of Heart †	10.1	15	-	-	5	5	2	3	-	(HOMICIDE.)																		
Rheumatism † - -	3.1	2	-	-	-	-	2	-	-	Murder & Manslaughter	1.0	1	-	-	-	-	1	-	-									
Gout - - - - -	2.8	3	-	-	-	-	1	1	1	(SUICIDE.)																		
Rickets † - - - -	3.4	8	1	2	-	-	-	-	-	Gunshot Wound - -	0.7	3	-	-	-	2	1	-	-									
Cancer - - - - -	58.7	53	-	-	1	3	29	22	1	Cut, Stab - - - - -	1.4	1	-	-	-	1	-	-	-									
Typhoid Fever - -	32.7	43	33	12	4	-	-	-	-	Poison - - - - -	0.8	1	-	-	-	-	-	-	-									
Tubercular Meningitis	24.4	38	13	18	6	-	1	-	-	Drowning - - - - -	1.6	-	-	-	-	-	-	-	-									
Phthisis - - - -	184.5	204	6	1	16	92	76	13	-	Hanging - - - - -	1.0	1	-	-	-	1	-	-	-									
Scrophula, Tuberculosis	14.2	13	15	-	2	-	1	-	-	Otherwise - - - - -	0.5	-	-	-	-	-	-	-	-									
Other Constitutional Diseases † - -	10.2	12	-	-	1	2	4	5	-	(EXECUTION.)																		
Premature Birth - -	44.4	63	63	-	-	-	-	-	-	Hanging - - - - -	0.0	-	-	-	-	-	-	-	-									
Atelectasis † - -	2.8	2	2	-	-	-	-	-	-	OTHER CAUSES † -	59.6	63	56	3	1	-	2	1	-									
Congenital Malformations -	6.5	7	6	1	-	-	-	-	-																			
Old Age - - - - -	50.3	53	-	-	-	2	18	33	-																			
Apoplexy - - - -	42.4	44	1	-	1	1	17	20	4																			
Epilepsy - - - -	7.3	4	-	-	-	2	1	1	-																			
Convulsions - - -	12.5	49	43	4	-	-	-	-	-																			
Other Diseases of Brain and Nervous System †	9.7	60	7	7	5	6	15	21	3																			

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.048 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1883-9 has been used.

‡ These cases of small pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical man, the case is returned under the heading "no statement."

§ The evidence as to inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident, or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, &amp;c., during the Week ending

The DEATHS registered in the Week include																	
REGISTRATION SUB-DISTRICTS.	Unreg- istered Popu- lation. 1881.	Total Births.	Deaths of														
			Total Deaths.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON	3,815,703	2412	1741	491	351	-	59	20	41	30	-	21	2	75	52	123	397
WEST DISTRICTS	689,638	387	244	66	62	-	2	4	3	2	-	2	2	13	7	12	65
NORTH DISTRICTS	905,947	578	402	101	80	-	5	6	17	12	-	7	-	11	11	25	90
CENTRAL DISTRICTS	282,288	143	113	29	24	-	1	-	4	1	-	-	-	2	4	13	31
EAST DISTRICTS	692,738	480	394	104	80	-	27	5	6	5	-	3	-	9	17	40	89
SOUTH DISTRICTS	1,265,148	874	569	191	98	-	24	5	11	10	-	8	-	40	13	24	94
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON	-	-	19	-	7	-	-	-	-	-	-	1	-	-	-	-	19
WEST DISTRICTS.																	
St. Mary Paddington WHH G.J. & W.M.	69888	51	28	8	9	-	-	-	-	2	1	-	-	1	1	3	4
St. John Paddington H - - G.J.	97380	10	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Kensington Town WH - - W.M.	120141	45	43	7	15	-	-	1	-	1	-	-	-	2	1	2	17
Brompton H - - W.M. & C.	49010	12	7	1	2	-	-	-	-	-	-	-	-	-	-	1	2
St. Peter Hammersmith - - W.M.	7890	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H W.M. & G.J.	64840	42	28	10	4	-	-	-	-	-	-	-	-	3	3	3	3
Fulham WH - - W.M. & C.	42900	53	38	17	5	-	1	3	-	-	-	-	-	1	2	8	-
Chelsea Kensal Town - - C.	15049	9	6	2	1	-	-	-	1	-	-	1	-	-	-	-	6
Chelsea North WHHHH - - C.	42683	28	13	3	4	-	-	-	-	-	-	-	-	2	-	-	3
Chelsea South HHH - - C.	30396	13	12	4	4	-	-	-	-	-	-	-	-	-	-	-	6
May Fair W - - G.J.	30353	3	7	-	4	-	-	-	-	-	-	-	-	1	1	1	6
Belgrave WHHH - - C.	59220	26	22	6	6	-	-	-	-	-	-	-	1	1	1	1	6
St. John Westminster HHH - - C.	35496	22	10	2	3	-	-	-	-	-	-	-	1	2	-	3	-
St. Margaret Westminster H - - C.	24679	7	6	4	1	-	-	-	-	-	-	-	-	-	-	-	3
St. James Westminster WHH N.R. & G.J.	29941	8	8	1	3	-	-	-	-	-	-	1	-	1	-	-	2
St. Anne Soho HHHHHH - - N.R.	16608	9	9	1	-	-	1	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																	
All Souls Marylebone HHHHH W.M.	28759	15	10	3	2	-	-	-	-	-	-	-	-	1	-	1	6
Cavendish Square HHHH - - W.M.	14881	2	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone WH G.J. & W.M.	24809	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Gray's Inn Lane HHH G.J. & W.M.	21118	23	8	5	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Marylebone HHH W.M.	33700	18	7	3	-	-	-	-	1	-	-	-	-	1	-	-	-
Christchurch Marylebone HHH - W.M.	53638	18	9	4	2	-	-	-	-	-	-	-	-	-	-	-	-
St. John Marylebone H - - W.M.	53638	18	9	4	2	-	-	-	-	-	-	-	-	-	-	-	-
Hampstead WHHHH N.R. & W.M.	45452	33	22	2	5	-	1	2	1	-	-	4	-	-	-	9	-
Regent's Park Pancras H - - W.M.	89115	20	14	3	6	-	-	-	-	1	-	-	-	-	-	-	-
Tottenham-court WHHHH N.R. & W.M.	27729	16	25	3	6	-	1	-	-	-	-	-	-	-	-	-	15
Gray's Inn Lane HHH - - N.R.	30247	23	4	1	-	-	-	-	1	1	-	-	-	-	-	3	-
Somers Town H - - N.R.	34369	20	17	2	2	-	-	-	1	1	-	-	-	1	2	1	8
Camden Town WH - - N.R.	17811	7	13	4	3	-	-	-	-	-	-	-	-	1	1	8	-
Kentish Town W - - N.R.	87487	44	48	12	7	-	2	-	8	1	-	-	-	-	-	-	-
Upper Holloway WHHHH - - N.R.	67946	58	54	17	12	-	-	-	-	2	-	-	-	1	3	6	23
Islington South-west H - - N.R.	100676	65	35	7	9	-	-	-	1	-	-	-	-	4	1	4	-
Islington South-east - - N.R.	61826	44	24	7	3	-	-	-	-	-	-	-	-	1	-	2	-
Highbury H - - N.R.	52048	28	11	2	2	-	-	-	-	1	-	-	-	-	-	-	-
Stoke Newington H - - N.R.	22781	27	6	2	1	-	-	-	-	1	-	-	-	-	-	-	-
Stamford Hill - - E.L.	9277	17	12	5	2	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - - N.R.	37610	60	50	13	7	-	1	4	8	2	-	2	-	2	5	4	6
Hackney W & W H - - E.L. & N.R.	76911	22	23	7	5	-	-	-	-	3	-	1	-	1	-	2	20
South Hackney - - E.L.	39883	22	23	7	5	-	-	-	-	-	-	-	-	-	-	-	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury - - N.R.	16681	8	6	2	1	-	-	-	1	-	-	-	-	-	-	-	2
St. Giles South WH - - N.R.	14964	5	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles North H - - N.R.	18837	4	6	-	1	-	-	-	-	-	-	-	-	-	-	1	2
St. Martin-in-the-Fields HH N.R. & C.	17508	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	3
St. Mary-le-Strand H - - N.R.	7515	3	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-
St. Clement Danes H - - N.R.	8559	4	4	1	1	-	-	-	-	-	-	-	-	-	1	2	1
Strand Union Workhouse, Edmonton w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Geo.-the-Martyr HHHHHH N.R.	18671	8	11	3	4	-	-	-	-	-	-	-	-	-	-	-	1
St. Andrew Eastern W - - N.R.	10706	6	4	1	2	-	-	-	-	-	-	-	-	-	-	1	1
Saffron Hill H - - N.R.	6538	1	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - N.R.	17516	17	9	4	3	-	-	-	-	-	-	-	-	1	-	-	-
Amwell Clerkenwell - - N.R.	19281	8	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentonville - - N.R.	14773	10	6	3	1	-	-	-	-	-	-	-	-	-	1	1	-
Goosewell-street - - N.R.	17506	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Old-street H - - N.R.	11541	16	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-
City-road HHL - - N.R.	18628	18	7	1	2	-	-	-	-	-	-	-	-	-	-	-	1
Whitecross-street - - N.R.	9217	4	3	1	-	-	1	-	-	-	-	-	-	1	-	1	-
Flinsbury - - N.R.	7465	3	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-
Holborn Union Workhouse, Mitcham w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - - N.R. & E.L.	11174	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - N.R.	7193	2	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - N.R.	5558	2	21	4	1	-	-	-	3	1	-	-	-	1	2	20	-
St. Bride W - - N.R.	8396	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albhallows Barking - - N.R.	18666	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - - N.R.	6652	1	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts.—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. River; E. L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
 day, 18th October. 1890.

REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	The DEATHS registered in the Week include														Deaths in Public Institutions.	Unverified Causes of Death.
					Deaths of				Deaths from											
					Infants under 1 Year of Age.	Persons aged 10 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Dysentery.	Violence.	Inquest Cases.			
EAST DISTRICTS.																				
Editch South	HL*	-	-	N.R.	22343	10	12	5	1	-	-	-	-	-	-	-	-	1	7	
on New Town	W	-	-	N.R.	29937	19	22	4	7	-	1	1	-	-	-	-	-	1	2	
on Old Town	-	-	-	N.R.	28936	16	12	4	3	-	-	-	-	-	-	-	-	6	6	
erston	WH	-	-	N.R. & E.L.	46275	26	26	8	4	-	-	-	-	-	-	2	4	-	-	
nal Green North	H	-	-	E.L.	51157	34	19	7	3	-	-	1	-	1	-	-	-	3	-	
nal Green South	-	-	-	E.L.	34899	26	14	9	-	-	-	-	-	-	-	-	2	-	-	
nal Green East	WHL*	-	-	E.L.	41405	23	30	3	11	-	-	-	1	-	-	-	-	3	14	
Fields	-	-	-	E.L. & N.R.	22585	22	7	2	3	-	-	-	-	-	-	-	-	1	1	
End New Town	W	-	-	E.L.	15473	27	12	1	5	-	1	-	-	1	-	-	-	1	8	
echapel Church	H	-	-	E.L. & N.R.	17490	13	23	1	5	-	1	1	1	1	1	1	6	7	16	
man's Fields	-	-	-	E.L.	9713	6	1	1	-	-	-	-	-	-	-	-	-	-	-	
ste	-	-	-	N.R. & E.L.	6102	3	7	1	1	-	2	-	-	-	-	-	-	-	-	
George's, North	-	-	-	E.L.	38747	23	15	4	1	-	5	1	-	-	-	-	-	2	-	
ohn, St. George East	W	-	-	E.L.	8410	10	15	2	4	-	-	-	-	-	-	1	-	-	6	
well H	-	-	-	E.L. & N.R.	10355	5	14	4	2	-	1	-	-	-	-	-	-	1	7	
W	-	-	-	E.L.	16107	7	10	3	2	-	1	-	-	-	1	-	-	1	2	
house	-	-	-	E.L.	32041	15	15	4	2	-	4	-	-	1	-	1	1	2	-	
End Old Town West	H	-	-	E.L.	37900	23	16	5	3	-	1	-	-	1	-	-	-	1	4	
End Old Town East	WHLH	-	-	E.L.	67653	60	33	7	11	-	1	-	-	-	-	1	1	4	8	
Is	-	-	-	E.L.	37074	13	16	3	1	-	2	-	-	-	-	-	-	1	1	
ley WHH	-	-	-	E.L.	64359	58	60	17	7	-	2	-	-	1	-	2	-	4	14	
ar WHH	-	-	-	E.L.	55077	36	25	7	4	-	7	-	-	-	-	2	5	1	-	
SOUTH DISTRICTS.																				
techurch Southwark	WH	L. & S.	12663	6	5	3	-	-	1	-	-	-	-	-	-	1	-	-	-	
aviour Southwark	-	S.	14929	4	9	4	3	-	-	-	-	-	-	-	-	-	-	-	-	
-road	-	S. & L.	21351	12	8	3	-	-	-	-	-	1	-	-	-	-	-	-	-	
ugh-road WH	-	S. & L.	15953	16	9	2	1	-	-	-	-	-	-	-	-	-	-	2	-	
on-road HL	-	S. & L.	21315	8	8	3	1	-	-	-	-	-	2	-	-	-	-	-	-	
ky Newington	-	S. & L.	26672	17	10	5	2	-	1	-	-	1	-	-	-	-	-	-	-	
ster Walworth	W	S. & L.	59555	40	24	11	8	-	2	-	-	-	-	-	-	-	-	2	1	
ky Newington	-	L. & S.	21623	16	12	5	3	-	-	-	-	-	-	-	-	2	-	-	1	
lare WH	-	S.	11956	12	19	2	2	-	-	1	1	-	-	-	-	-	3	3	13	
mer Market	-	S. & L.	16300	12	12	5	-	-	1	1	-	1	-	1	-	-	-	-	-	
ary Magdalen	W	S.	15669	12	6	2	3	-	-	-	-	-	-	-	-	-	-	-	-	
ames Bermondsey	-	S.	54632	36	12	4	1	-	-	-	-	-	-	-	-	4	2	2	-	
erhithe WH	-	S. & K.	36024	26	17	6	4	-	-	1	-	-	-	-	-	-	-	6	-	
orio-road 1st	H	-	L. & S.	15195	17	9	2	2	-	-	-	-	-	-	-	-	-	2	-	
orio-road 2nd	H	-	L. & S.	16351	13	4	1	-	-	-	1	-	-	-	-	-	-	1	-	
eth Church 1st	H	-	L. & S.	19876	15	13	2	-	-	-	1	1	-	-	-	-	-	1	2	
eth Church 2nd	WH	-	L. & S.	39859	27	28	4	7	-	1	-	-	-	-	-	2	-	1	13	
ington 1st	-	-	S. & L.	45283	35	12	6	1	2	-	-	-	1	-	-	-	-	-	-	
ington 2nd	-	-	S. & L.	35332	13	3	2	2	-	-	-	-	-	-	-	-	-	-	-	
on W	-	-	L. & S.	62837	33	22	7	8	-	3	-	-	1	-	-	3	-	1	1	
ood W	-	-	L.	19017	16	4	1	3	-	-	-	-	-	-	-	-	-	-	1	
Battersea	-	-	S.	54675	40	18	8	4	-	-	-	-	-	-	-	-	-	3	-	
Battersea WH	-	-	S.	52587	52	29	3	8	-	1	-	1	-	1	-	-	1	2	9	
am H	-	-	S.	86380	21	10	3	4	-	-	-	-	-	-	-	3	-	-	-	
isworth WHL	-	-	S.	38004	27	12	8	1	-	1	-	1	-	-	-	-	-	2	-	
ham	-	-	S.	13235	6	9	2	-	-	2	-	-	-	-	-	-	-	-	-	
ham	-	-	L.	25533	24	6	2	-	-	1	-	-	-	-	-	-	-	-	-	
ich	-	-	L. & S.	5590	-	2	-	2	-	-	-	-	-	-	-	-	-	-	1	
erwell W & L	-	-	S. & L.	59104	35	41	4	11	-	4	-	1	-	1	-	-	1	1	21	
am W	-	-	S., L., & K.	71089	46	38	15	8	-	-	-	-	-	1	-	3	-	-	2	
orge Camberwell	-	-	L. & S.	50510	47	21	12	1	-	-	-	-	1	-	1	1	1	2	-	
aul Deptford	W	-	K.	76752	52	42	17	3	-	4	1	1	-	2	-	4	1	2	4	
nicholas Deptford	-	-	K.	7901	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
arwich West	H	-	K.	21972	10	10	6	1	-	-	-	-	-	-	-	2	1	1	-	
arwich East	WHH	-	K.	24603	23	11	4	1	-	-	-	-	-	1	-	2	-	-	5	
m H	-	-	K.	564	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
m H	-	-	K.	21559	16	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
m WH	-	-	K.	19363	15	9	3	1	-	1	-	-	-	-	-	1	-	-	-	
m H	-	-	L.	36076	6	4	1	-	-	-	-	-	-	-	-	1	-	-	-	
ton H/H	-	-	K.	10930	7	4	1	1	-	-	-	-	-	-	-	1	-	1	2	
wich Dockyard	-	-	K.	17617	14	6	1	1	-	2	-	1	-	-	-	-	-	-	-	
wich Arsenal	HH	-	K.	1904	15	11	1	2	-	-	-	-	-	-	-	-	-	-	-	
stead, West	H	-	K.	14009	13	8	4	-	-	-	-	-	-	-	-	-	-	-	1	
stead, East	W	-	K.	19241	15	20	8	2	-	-	-	1	2	-	-	1	1	1	4	
tal Ships and Camp, Dartford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
umore Hill Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
am Asylum	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	
th Asylum	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	
eden Asylum	-	-	-	-	-	3	-	2	-	-	-	-	-	-	-	-	-	3	-	
ead Asylum	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	
hill Asylum	-	-	-	-	-	3	-	1	-	-	-	-	-	-	-	-	-	3	-	
ell Asylum	-	-	-	-	-	5	-	2	-	-	-	-	-	-	-	-	-	5	-	
y Hatch Asylum	-	-	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	3	-	
M London Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUM AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 18th October, 1893)

Regis- tration District and Sub- District Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.		
LONDON—OUTER RING		370,924	950,957	760	427	124	92	-	20	5	18	6	9	17	10	20	35		
30:1	Carshalton wL -	12228	21113	7	9	2	3	-	-	-	2	-	-	-	-	-	-		
2	Epsom (part of)* WwH	9971	10710	7	2	-	2	-	-	-	-	-	-	-	-	-	-		
37:1	Godstone (part of)* -	2754	1235	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
38:1	Croydon Ww L	20851	101241	51	25	11	6	-	-	-	-	-	-	1	-	3	3		
2	Mitcham w. -	11697	17932	10	4	-	2	-	-	-	-	-	-	-	-	-	-		
39:1	Wimbledon HHH	3220	15950	15	3	-	1	-	-	-	-	-	-	-	-	-	-		
2	Kingston WHH -	8549	36354	23	16	7	6	-	-	-	-	-	-	2	1	3	1		
3	Esher (part of)* -	6601	9221	9	6	1	2	-	-	-	-	-	-	-	-	-	-		
4	Hampton H -	4573	13539	5	4	1	1	-	-	-	-	-	-	-	-	-	-		
40:1	Richmond WH -	2372	21302	11	7	2	3	-	-	-	-	-	-	-	-	-	1		
2	Mortlake -	9941	12331	6	8	2	2	-	3	-	-	1	-	-	1	2	-		
41:1	Bromley (pt. of)* HHHH	16669	31142	26	19	2	2	-	2	-	1	-	-	-	1	1	-		
2	Chislehurst (pt. of)* WHH	14907	15844	23	8	1	2	-	-	-	1	-	1	-	-	-	3		
42:1	Bexley H -	13437	24184	20	7	3	-	-	-	-	-	-	-	-	-	-	-		
2	Dartford (Ww, pts. of)* -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1		
124:1	Sunbury w -	11055	11683	5	1	-	-	-	-	-	-	-	-	-	-	-	-		
2	Staines W -	13277	12089	15	8	2	3	-	-	-	-	-	-	-	1	2	4		
125:1	Hillingdon WHH	6029	10802	9	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	Uxbridge -	6178	3225	2	1	-	1	-	-	-	-	-	-	-	-	-	-		
3	Hayes wHL -	14837	11523	10	5	4	-	-	-	-	-	-	-	-	-	-	-		
126:1	Isleworth WHH	7008	22727	12	8	3	1	-	1	1	-	-	-	-	-	-	2		
2	Twickenham H -	2477	12479	2	4	1	2	-	-	-	-	1	-	-	-	-	-		
3	Brentford HL -	4345	27649	19	11	1	1	-	2	-	2	-	-	-	1	2	-		
4	Chiswick -	1340	15975	14	1	-	1	-	-	-	-	-	-	-	-	-	-		
5	Acton wH -	6088	22876	12	7	1	1	-	1	-	2	-	-	-	-	-	-		
127:1	Harrow H -	13809	12796	8	4	1	1	-	-	-	-	1	-	-	1	1	-		
2	Edgware H -	6994	3749	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	Willesden -	4333	27463	22	13	3	2	-	-	1	-	-	-	-	-	-	-		
4	Hendon W -	8382	10484	9	4	1	3	-	-	-	-	-	-	1	-	-	2		
137:1	Bushy -	9331	6621	3	1	-	1	-	-	-	-	-	-	-	-	-	-		
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
128:1	South Mimms -	16519	6391	6	2	-	1	-	-	-	-	-	-	-	-	-	-		
2	Barnet -	5433	10092	2	6	1	3	-	1	-	-	-	1	-	-	-	1		
3	Finchley HL -	4683	17615	16	8	2	2	-	-	-	-	-	-	-	-	-	1		
135:1	Hatfield (part of)* -	3806	553	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
129:1	Hornsey H -	3039	37073	24	15	3	3	-	-	-	-	-	1	1	-	-	-		
2	Tottenham H -	4642	46456	59	32	8	4	-	-	1	-	-	-	2	-	1	3		
3	Edmonton Ww -	7453	23463	10	17	4	6	-	-	-	-	-	-	-	-	2	6		
4	Enfield WH -	12653	19104	23	7	2	1	-	-	-	-	1	-	-	-	-	1		
5	Waltham Abbey -	11017	5363	3	2	2	-	-	-	-	-	-	-	-	-	-	-		
6	Cheshunt H -	8490	7785	7	2	-	1	-	-	-	-	-	-	-	-	-	-		
136:1	Stratford -	382	38606	21	14	4	-	-	-	-	-	-	-	1	2	2	1		
2	West Ham w.HHH	4055	90347	117	61	26	7	-	8	2	1	-	1	4	1	1	-		
3	East Ham wv -	3296	10706	11	8	2	2	-	-	-	1	-	-	-	-	-	-		
4	Leyton WwL -	4372	32430	42	26	7	8	-	-	-	6	1	-	1	-	-	5		
5	Walthamstow H -	6520	23869	31	14	4	2	-	1	-	2	-	2	1	-	-	-		
137:1	Chigwell (part of)* H	11761	9693	11	7	-	2	-	1	-	-	-	-	-	-	1	-		
2	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
139:1	Romford (part of)* W	6730	3411	2	4	2	-	-	-	-	-	-	-	-	-	-	-		
2	Uford -	8493	7645	5	3	2	-	-	-	-	-	-	-	-	-	-	-		
3	Barking Town -	4127	9233	10	12	6	1	-	-	-	-	1	-	3	-	-	-		

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadnam and Knockholt (pop. 1813); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Norton in Hat sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 138:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 18th October, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.	Deaths in Public Institutions.	
			From All Causes.	From Diseases in Cols. 3-4.													
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
GREATER LONDON	448,334	5,758,500	19.6	2.9	2168	615	443	-	79	25	59	36	32	92	62	432	
METROPOLITAN LONDON	77,410	4,421,661	20.5	2.9	1741	491	351	-	59	20	41	30	23	75	52	397	
CITY OF LONDON	370,924	1,336,839	16.7	2.9	427	124	92	-	20	5	18	6	9	17	10	35	

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 6.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
PUTTA - -	433,219	August 30	-	169	20.3	1	-	-	2	1	57	25†	
DAY - -	775,196	September 6	-	176	21.1	-	1	-	1	-	68	18†	
AS - -	398,777	" 23	297	356	20.0	-	1	?	?	?	89	24	
AS - -	398,777	" 5	396	537	70.0	3	10	?	?	?	126	177†	
S. - -	2,260,945	October 11	787	832	19.1	-	8	-	23*	3	24	80	
BERLS - (Faubourgs.)	477,288	" 11	196	158	17.2	4	1	-	-	-	5	30	
TERDAM -	406,802	" 11	205	126	16.1	-	-	-	4	3	3	-	
TERDAM -	203,486	" 11	105	75	19.1	-	-	-	-	2	-	-	
HAGUE -	156,497	" 11	84	75	24.9	-	6	-	-	1	-	-	
NHAGEN -	312,387	" 11	172	120	20.0	-	3	2	5	5	-	13	
KHOLM -	236,850	" 4	105	82	18.0	-	-	5	1	3	-	13	
ETANIA -	143,800	" 11	53	51	18.5	-	-	6	6	-	-	5	
PETERSBURG	924,466	" 4	-	364	20.5	11	5	19	13	5	5	36	
AN - -	1,547,533	September 27	800	558	18.7	-	3	5	24	13	6	103	
BURG(State)	591,647	October 4	409	194	17.1	-	2	2	8*	1	2	24	
SDEN - -	269,250	" 4	161	90	17.4	-	1	-	3*	-	-	9	
LAU - -	324,400	" 11	227	151	24.3	-	1	3	4*	-	2	16	
ICH - -	298,000	" 11	-	147	25.7	-	1	1	4*	3	1	39	
NA - -	822,176	" 11	455	274	17.3	1	4	-	9	1	-	25	
VEN - -	314,425	" 11	-	123	20.4	1	1	2	6	-	4	4	
A-PESTE -	463,017	" 4	311	216	24.2	-	-	9	12	1	5	20	
TE - -	160,092	" 11	84	52	16.9	-	-	-	1	2	-	7	
SE - -	417,392	September 13	204	152	19.2	-	4	-	-	1	17†	20	
IN (10 days)	314,827	" 10	-	-	-	-	-	-	-	-	-	-	
ICE - -	156,800	" 27	86	71	23.6	12	5	-	2*	-	-	5	
O - -	374,838	" 18	344	343	47.6	-	-	-	2*	1	15	129	
ANDRIA -	231,396	" 18	153	189	42.5	-	-	-	2*	-	10	51	
YORK -	1,617,997	" 27	-	639	20.3	-	2	3	11	6	16	62	
OLYH -	871,852	" 27	-	370	22.1	-	1	2	5	7	4	37	
ADELPHIA -	1,064,277	" 27	-	335	16.4	-	-	-	12	3	11	21	
IMORN -	500,343	" 27	-	162	16.8	-	1	-	7	6	3	12	
ORLEANS -	254,000	" 20	-	113	23.2	-	-	1	1	1	3	6	

\* Including deaths from croup.

† Including 5 and 3 deaths respectively from cholera in Calcutta, and 51 in Madras.

‡ Including 14 deaths from malarial fever.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 18TH OCTOBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		Phases of the Moon.	BARO-METER.		TEMPERATURE.				TEMPERATURE.				TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose receiving surface is 5 inches above the Ground.					
MONTH AND DAY.	Mean daily reading of the Barometer corrected to 32° Fahr. (see Note).		Of the Air.				Of the Dew Point.	Difference between the Air and Dew Point Temperature.		Degree of Hu- midity in equal ratios (100).	Of Radiation.		Of the Water of the Thames at Deptford.		Oster's.		Pressure on the Square Foot.		Robinson's.							
			High- est.	Low- est.	Daily Range.	Mean daily value.		De- parture from average value. 20 years.	Great- est.		Least.	High- est in Sun's Rays.	Lowest on the Grass.	High- est.	Low- est.	General Direction.		Great- est.		Least.		Mean of 24 hours obs.	Horizontal Movement of the Air on each Day.			
																A.M.	P.M.									
OCTOBER.																										
SUN.	12	..	30.237	38.4	0	0	0	0	0	0	81	103.9	32.8	56.6	54.5	0	0	SW. & Calm.	0.0	0.0	0.0	102	0.0	0.0	0.0	
MON.	13	In New.	30.180	36.6	34.5	22.1	45.1	- 6.5	42.9	2.2	9.3	91.0	29.8	56.4	54.9	0	0	Calm.	0.0	0.0	0.0	41	0.0	0.0	0.0	
TUES.	14	..	29.933	34.7	33.9	20.8	43.8	- 7.6	43.6	0.2	5.4	99	55.0	31.8	54.8	53.4	0	0	Calm.	0.0	0.0	0.0	104	0.0	0.0	0.0
WED.	15	..	29.497	36.7	44.4	12.3	50.2	- 1.1	46.9	3.3	6.3	88	96.1	35.0	55.2	53.8	0	0	Calm. & SW.	3.6	0.0	0.4	407	0.19	0.19	0.0
THURS.	16	..	29.491	35.1	40.4	14.7	47.5	- 3.7	38.6	8.9	15.6	71	91.2	32.0	54.4	53.0	0	0	WSW. & W.	5.8	0.0	1.3	567	0.91	0.91	0.0
FRI.	17	..	29.631	34.2	42.9	11.3	48.1	- 3.0	39.9	8.2	12.0	73	67.7	35.5	53.6	52.3	0	0	W. & WNW.	3.9	0.0	0.8	488	0.00	0.00	0.0
SAT.	18	..	29.848	33.4	44.2	9.2	48.6	- 2.4	39.4	9.2	12.8	70	81.5	38.0	52.9	51.4	0	0	WNW. & NNW.	3.7	0.0	0.8	451	0.00	0.00	0.0
MEANS	.	..	29.840	39.8	39.8	16.7	47.7	- 3.6	42.4	5.4	11.1	82	83.8	33.6	54.8	53.3	0	0	SW. NW. & Calm.	..	..	..	Sum 2160	Sum 6.20	Sum +368	0.0
No. of Col.	8		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

## GENERAL REMARKS.

DATE.	Phenomena. (For explanation of symbols, see Note.)	Registered Sunshine, in hours.	Registered Sun above Horizon, in hours.	GENERAL REMARKS.
SUNDAY	12 m. P. generally	6.1	10.9	Cloudless; dense fog in morning; afterwards very fine.
MONDAY	13 v. P. in morning; m. P. afterwards.	1.3	10.8	Cloudless and foggy throughout; hoar frost in morning.
TUESDAY	14 m. P. generally	0.0	10.7	Cloudless; dense fog till afternoon; slight fog till evening; night fine.
WEDNESDAY	15 w. P. till afternoon; m. P. afterwards.	2.3	10.7	Fine in morning; cloudy and showery till afternoon; variable afterwards, with rain about 9 p.m.
THURSDAY	16 w. P. in morning; v. P. and v. P. after- wards.	5.9	10.6	Partially cloudy and fine till evening; variable at night with occasional rain.
FRIDAY	17 w. P.	0.0	10.5	Generally overcast till evening; cloudless and fine at night.
SATURDAY	18 w. P. generally	0.4	10.5	Cloudless in early morning; generally cloudy afterwards.

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of the readings of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air is that derived from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 26 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong. The v. variable.

The numbers in column 23, derived from the Campbell-Stokes Sunshine Instrumens, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 30.23 in. at the beginning of the week to 30.25 in.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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*General Register Office, Somerset House,  
27th October, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·6 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.		Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.
Birkenhead	22·3	25·3	23·3	28·3	Liverpool -	22·0	21·7	22·0	20·6
Birmingham	16·7	20·3	16·7	19·9	London -	16·7	17·4	20·5	19·5
Blackburn -	25·3	32·9	26·6	25·7	Manchester -	30·6	29·0	28·0	29·4
Bolton -	16·7	22·5	24·3	23·0	Newcastle-on-Tyne	31·4	25·9	22·7	25·9
Bradford -	22·1	25·6	22·5	20·8	Norwich -	28·4	20·8	20·2	18·6
Brighton -	18·6	16·9	17·3	14·8	Nottingham -	18·7	17·7	12·3	15·5
Bristol -	14·1	14·6	19·8	15·3	Oldham -	16·3	17·8	22·4	19·9
Cardiff -	20·1	25·4	20·1	29·9	Plymouth -	33·1	24·5	13·9	21·8
Derby -	10·3	12·4	19·1	22·7	Portsmouth -	16·4	18·2	15·7	18·6
Halifax -	17·2	23·5	21·0	22·2	Preston -	34·2	24·3	25·8	26·3
Huddersfield	18·8	19·4	18·3	13·3	Salford -	20·0	22·8	21·5	21·5
Hull -	18·8	17·8	18·0	23·4	Sheffield -	26·6	21·1	24·9	25·2
Leeds -	18·9	22·9	19·1	19·1	Sunderland -	26·0	22·9	25·2	27·5
Leicester -	15·5	19·6	19·9	15·2	Wolverhampton -	22·5	21·9	23·1	15·6

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·3 in Cardiff, 1·4 in Sheffield, 1·6 in Manchester, 1·8 in Oldham, 2·3 in Bolton, 2·5 in Birkenhead, 3·0 in Brighton, and 4·1 in Bradford; from *scarlet fever*, 1·0 in Birmingham, 1·5 in Liverpool, and 1·9 in Manchester; from *whooping-cough*, 1·1 in Norwich; from "*fever*" 1·0 in Hull, and 2·0 in Birkenhead; and from *diarrhœa*, 2·5 in Preston, 2·6 in Manchester, and 5·1 in Blackburn. The 46 deaths from *diphtheria* included 23 in London, 8 in Salford, 3 in Manchester, 4 in Portsmouth, and 2 in Newcastle-upon-Tyne. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2512 BIRTHS and 1649 DEATHS were registered. Allowing for increase of population, the births were 359 below, while the deaths exceeded by 11, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17·4 and 20·5 in the preceding two weeks, declined last week to 19·5. During the first four weeks of the current quarter the death-rate averaged 18·5 per 1000, and was identical with the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1649 deaths included 70 from measles, 29 from scarlet fever, 23 from diphtheria, 28 from whooping-cough, 15 from enteric fever, one from an ill-defined form of continued fever, 55 from diarrhoea and dysentery, and not one from small-pox, typhus, or cholera; thus, 221 deaths were referred to these diseases, exceeding by 26 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 6; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had increased in the preceding four weeks from 22 to 59, further rose last week to 70, exceeding the corrected average by 33; 24 belonged to the East and 32 to the South groups of sanitary areas. The fatal cases of *scarlet fever*, which had been 20 in each of the preceding three weeks, increased last week to 29, but were 20 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1964 scarlet-fever patients at the end of last week, the numbers on the preceding nine Saturdays having increased from 1427 to 1921; 203 cases were admitted during the week, against 225 and 208 in the preceding two weeks. The deaths from *diphtheria*, which had been 28, 38, and 41 in the preceding three weeks, declined last week to 23, and were one below the corrected average. The 28 deaths from *whooping-cough* were slightly below the numbers in the preceding two weeks, but exceeded the corrected average by 2. The deaths from *diarrhoea*, which had declined in the preceding three weeks from 105 to 73, further fell last week to 55, but exceeded the corrected average by 29; 49 were of children under 5 years of age, and 4 of persons aged 60 years and upwards. No death was attributed last week to *cholera* or to *choleraic diarrhoea*.

The 15 deaths referred to *enteric fever* were 6 below the number in the previous week, and 10 below the corrected average. The Metropolitan Asylum Hospitals contained 175 cases of enteric fever, and one of typhus, on Saturday last; 23 cases of enteric fever were admitted during the week, against 23 and 24 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had numbered 197 and 340 in the preceding two weeks, further increased last week to 417, and exceeded the corrected average by 24.

Different forms of violence caused 50 deaths, concerning all but 2 of which inquests were held. Of these 50 deaths, 2 were cases of suicide, and one of murder, while the remaining 47 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 7 by burns or scalds, 2 by poison, 3 by drowning, and 13 (including 10 of infants aged under one year) by suffocation. The death of a male, aged 36 years, was referred, after inquest, to "syncope during administration of chloroform previous to operation for broken patella."

#### GREATER LONDON.

In Greater London 3305 births and 2061 deaths were registered, corresponding to annual rates of 29·9 and 18·7 per 1000 of the estimated population. In the Outer Ring 35 deaths were referred to measles, 13 to diarrhoea, 10 to diphtheria, and 8 to "fever." The deaths from measles included 12 in West Ham, 3 in Leyton, 4 in Brentford, and 4 in Acton sub-districts. Two deaths from diphtheria were returned in Carshalton, 2 in West Ham, and 2 in Leyton sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 30·04 ins.; the highest reading was 30·36 ins. on Wednesday at noon, and the lowest 29·38 ins. at the end of the week. The mean temperature of the *air* was 48°·2, and 1°·8 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each day of the week except Friday, the deficiency on Wednesday amounting to 5°·0. The general direction of the *wind* was Westerly, and the horizontal movement of the air averaged 9·0 miles per hour, which was 2·2 miles below the average in the corresponding weeks of 16 years. *Rain* fell on two days of the week, to the aggregate amount of 0·45 of an inch. The duration of registered bright sunshine in the week was 8·8 hours, against 6·6 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 25th October 1890.

CITIES AND BOROUGHS.	POPULATION to the middle of the Year 1890.*	Registered during the Week ending 25th Oct., 1890.		The DEATHS registered in the Week include														TEMPERATURE OF THE AIR.						RAINFALL.		CITIES AND BOROUGHS.
		BIRTHS.	DEATHS.	Deaths of		Deaths from								Inquest Cases.						Mean.		In Inches.	In Centi- metres.			
				Persons aged 1 Year of Age and upwards.	Infants under 1 Year of Age.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Violence.	Deaths in Public Institutions.	Unclassified Causes of Death.	From All Causes.	From Deaths in Col., 6-12.	Highest.	Lowest.	Fahrenheit.	Centigrade.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.	
28 TOWNS	9,715,559	5652	3832	1056	770	-	151	90	46	54	45	206	112	244	677	69	20.6	3.2	61.0	31.2	47.8	8.78	0.35	0.89	- 28 TOWNS.	
LONDON	4,421,661	2512	1649	429	350	-	70	29	23	28	16	55	50	114	381	11	19.5	2.6	58.6	37.2	48.2	9.00	0.45	1.14	LONDON.	
BRIGHTON	123,659	65	35	7	7	-	7	1	-	-	-	-	1	1	7	4	14.8	3.8	56.5	41.5	48.6	9.22	0.43	1.09	BRIGHTON.	
PORTSMOUTH	142,952	96	51	12	13	-	-	-	1	-	-	-	1	5	11	1	18.6	2.2	58.5	40.5	49.1	9.50	0.07	0.18	PORTSMOUTH.	
NORWICH	95,352	59	34	15	11	-	-	-	1	2	1	2	-	-	-	-	18.6	3.8	-	-	-	-	-	-	NORWICH.	
PLYMOUTH	78,780	50	33	6	20	-	-	-	-	-	-	-	1	5	8	5	21.8	1.3	61.0	39.8	50.4	10.22	0.06	0.15	PLYMOUTH.	
BRISTOL	232,248	126	68	30	11	-	-	-	-	-	1	2	1	3	18	5	15.3	0.7	56.0	33.5	46.4	8.00	0.15	0.38	BRISTOL.	
WOLVERHAMPTON	83,406	49	25	8	8	-	1	-	-	-	-	3	-	1	1	1	15.6	2.5	55.9	31.2	44.7	7.06	0.30	0.76	WOLVERHAMPTON.	
BIRMINGHAM	461,865	290	176	48	32	-	4	9	1	5	1	8	7	14	35	3	19.9	3.2	-	-	-	-	-	-	BIRMINGHAM.	
LEICESTER	154,344	92	45	18	6	-	1	2	1	1	-	3	-	1	4	2	15.2	2.7	-	-	-	-	-	-	LEICESTER.	
NOTTINGHAM	244,909	116	73	21	23	-	1	3	-	1	3	4	2	3	7	1	15.5	2.6	57.0	41.3	47.4	8.56	0.08	0.20	NOTTINGHAM.	
DERBY	100,871	47	44	7	12	-	1	1	-	-	-	1	1	5	7	1	22.7	1.6	-	-	-	-	-	-	DERBY.	
BIRKENHEAD	105,049	61	57	17	8	-	5	-	-	-	4	4	3	4	5	2	28.3	6.5	-	-	-	-	-	-	BIRKENHEAD.	
LIVERPOOL	613,463	307	242	63	25	-	4	18	1	2	2	15	13	19	40	8	20.6	3.6	57.0	35.8	48.8	9.33	0.99	2.51	LIVERPOOL.	
BOLTON	115,846	75	51	11	11	-	5	2	-	-	-	5	3	6	6	-	23.0	5.4	-	-	-	-	-	-	BOLTON.	
MANCHESTER	379,437	249	214	51	33	-	12	14	3	6	1	19	7	18	44	6	29.4	7.6	-	-	-	-	-	-	MANCHESTER.	
SALFORD	242,569	136	100	24	17	-	1	3	8	-	1	11	4	7	12	1	21.5	5.2	-	-	-	-	-	-	SALFORD.	
OLDHAM	146,716	77	56	14	11	-	5	-	-	-	-	3	1	2	3	2	19.9	2.8	-	-	-	-	-	-	OLDHAM.	
BLACKBURN	123,555	74	61	20	10	-	-	-	-	-	-	12	-	1	4	2	25.7	5.1	-	-	-	-	-	-	BLACKBURN.	
PRESTON	105,163	69	53	13	19	-	2	-	-	-	-	1	5	-	2	1	26.3	4.0	-	-	-	-	-	-	PRESTON.	
HUDDESFIELD	94,253	42	24	4	3	-	-	-	1	1	-	-	-	-	2	1	13.3	1.1	-	-	-	-	-	-	HUDDESFIELD.	
HALIFAX	82,034	27	35	9	10	-	-	1	-	-	-	1	-	-	5	-	22.2	1.3	-	-	-	-	-	-	HALIFAX.	
BRADFORD	240,515	126	96	31	14	-	19	1	-	-	1	5	-	4	15	-	20.8	5.6	56.2	42.8	48.5	9.17	0.11	0.28	BRADFORD.	
LEEDS	363,799	219	133	43	23	-	-	1	-	1	6	12	5	10	17	-	19.1	2.9	-	-	-	-	-	-	LEEDS.	
SHEFFIELD	332,837	207	161	54	23	-	9	4	-	2	-	10	1	2	12	5	23.2	8.9	-	-	-	-	-	-	SHEFFIELD.	
HULL	213,835	151	96	26	28	-	-	-	-	1	4	10	1	3	16	6	27.5	3.9	58.0	33.0	46.4	8.00	0.22	0.56	HULL.	
SUNDERLAND	136,566	93	72	24	13	-	-	-	1	1	4	10	1	3	16	6	23.4	3.4	60.0	34.0	48.3	9.06	1.00	2.54	SUNDERLAND.	
NEWCASTLE	162,987	149	81	24	18	-	-	-	2	2	1	5	2	4	8	4	25.9	3.2	57.0	40.0	46.6	8.11	0.29	0.74	NEWCASTLE.	
CARDIFF	117,012	88	67	25	11	-	3	-	-	-	-	2	3	4	9	2	29.9	2.2	-	-	-	-	-	-	CARDIFF.	
EDINBURGH	271,135	120	91	21	24	-	1	-	5	5	2	5	1	9	17	21	17.5	3.5	58.1	33.5	48.1	8.94	0.16	0.41	EDINBURGH.	
GLASGOW	530,208	368	248	69	32	-	3	1	7	8	5	6	11	3	29	38	24.4	3.0	58.1	29.3	48.6	9.22	0.20	0.51	GLASGOW.	
DUBLIN	335,082	153	106	34	49	-	-	-	1	3	6	11	3	4	57	17	24.5	3.1	60.0	36.6	51.2	10.67	0.31	0.79	DUBLIN.	

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-THIRD Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2490	2753	2570	2724	2694	2581	2635	2581	2666	2580	2870·5	2512
Males . .	1310	1378	1386	1366	1391	1333	1370	1357	1350	1308	1472·5	1252
Females .	1180	1375	1234	1358	1303	1243	1315	1224	1316	1272	1398·0	1260
<b>TOTAL Deaths</b>	1521	1588	1466	1450	1463	1366	1380	1733	1737	1310	1637·8	1649
Males . .	796	822	767	753	744	696	693	907	914	696	848·2	850
Females .	725	766	699	697	719	670	687	831	823	624	789·6	799

\* The numbers in this column are the average weekly numbers in the forty-third weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.
<b>TOTAL Births</b> - -	2557	2176	2527	2487	2614	2469	2539	2355	2458	2433	2409	2412	2512
<b>TOTAL Deaths</b> - -	1683	1594	1751	1629	1659	1514	1410	1375	1458	1413	1472	1741	1649
<b>Ages at Death</b> {													
0-20 years -	938	915	1019	961	911	796	687	667	740	726	747	870	835
20-40 " -	186	171	169	148	190	177	183	200	182	170	180	204	200
40-60 " -	232	225	263	233	265	240	238	214	236	223	240	316	264
60-80 " -	277	230	246	235	234	245	256	232	256	253	251	231	296
80 years & upwards	50	53	54	49	59	56	46	62	44	41	51	70	51
<b>"</b> {													
Under 1 year -	554	549	635	603	525	459	395	376	459	433	436	491	429
1-5 " -	286	294	294	292	282	217	217	227	207	193	213	260	306
5-20 " -	98	72	90	69	104	90	75	64	104	100	98	119	100
<b>Deaths from Small-pox</b> -	-	-	-	-	-	-	-	-	1	-	-	-	-
" " Measles -	82	95	80	73	60	56	39	33	22	30	38	59	70
" " Scarlet fever -	19	17	27	16	24	18	14	16	20	20	20	20	29
" " Diphtheria -	36	22	15	20	26	16	18	35	38	28	38	41	23
" " Whooping-cough -	45	37	39	39	39	46	35	33	29	13	29	30	28
" " Typhus -	-	-	-	-	-	-	1	-	-	-	-	-	-
" " Enteric fever -	11	11	16	11	17	18	18	21	18	24	24	21	15
" " Simple Cont <sup>d</sup> fever -	1	1	1	-	-	1	-	-	2	1	1	2	1
" " Diarrhoea and Dysentery -	177	176	262	255	180	128	117	94	86	105	94	75	55
" " Cholera -	7	4	10	12	7	5	5	3	6	3	2	2	-
" " all the above-mentioned Diseases -	278	263	450	426	353	238	251	238	218	229	246	250	221
" " Dis. of Respiratory System -	215	197	208	203	184	180	210	187	222	262	197	340	417
" " Phthisis -	147	126	129	119	167	139	136	157	130	123	147	204	139
" " Dis. of Circulatory System -	118	119	113	116	100	120	114	136	104	100	123	144	151
<b>Violent Deaths</b> - -	73	50	75	54	57	54	55	43	52	61	49	52	50
<b>Inquest Cases</b> - -	134	103	128	105	105	98	109	83	103	107	113	123	114
<b>Deaths in Public Institutions</b>	405	373	403	343	364	391	360	360	377	335	347	337	381
<b>TEMPERATURE OF THE AIR</b>													
Mean -	62·9	62·6	61·1	59·0	54·4	58·4	59·4	60·4	58·8	56·7	54·3	47·7	43·2
Mean of Highest readings -	74·4	73·8	73·2	69·0	66·5	71·0	73·2	71·7	69·2	66·3	64·1	56·5	54·4
Mean of Lowest readings -	53·9	53·2	54·6	51·8	46·0	43·4	43·2	51·0	50·9	49·3	45·5	39·8	43·2
<b>Humidity of the Air</b> - -	77	77	82	81	80	83	79	74	83	76	85	82	83
<b>Rain-fall in inches</b> - -	0·11	0·00	0·78	1·00	0·67	0·00	0·00	0·34	0·31	0·00	0·33	0·20	0·45
<b>Registered Sunshine (in hours)</b>	31·9	30·5	32·6	31·9	26·5	26·8	48·6	50·7	24·9	36·9	36·5	16·0	8·8

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley; Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and W. M. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-THIRD Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 43rd Weeks of the 10 years 1880-89.	In the Week ending Saturday, 25th October 1890.										Corrected Averages for the 43rd Weeks of the 10 years 1880-89.	CAUSES OF DEATH.	Corrected Averages for the 43rd Weeks of the 10 years 1880-89.	In the Week ending Saturday, 25th October 1890.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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		0-1.	1-6.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	0-1.	1-6.	5-20.				20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
ALL CAUSES -	1637.8	1649	429	306	100	209	264	296	54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The violence at inquest is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



## Deaths from some Zymotic and other Causes.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and DYPHThERIA, during the Week ending

The DEATHS registered in the Week include																				
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of														Deaths in Public Institutions.	Deaths from all Causes.
					Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON		3,815,704	2512	1649	429	350	-	70	29	23	23	-	15	1	55	50	114	331		
WEST DISTRICTS		669,633	337	239	60	72	-	7	3	3	6	-	2	-	6	10	22	59		
NORTH DISTRICTS		905,947	521	346	92	80	-	7	9	7	9	-	6	1	9	11	28	90		
CENTRAL DISTRICTS		382,338	123	107	24	15	-	-	-	3	1	-	1	-	3	2	4	23		
EAST DISTRICTS		692,738	516	345	93	56	-	24	3	5	3	-	3	-	11	9	34	72		
SOUTH DISTRICTS		1,265,143	1015	573	160	118	-	32	13	5	9	-	3	-	21	13	26	98		
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	84	-	14	-	-	1	-	-	-	-	-	-	-	-	34		
WEST DISTRICTS.																				
St. Mary Paddington WHH G.J. & W.M.		69893	38	24	8	6	-	1	-	2	1	-	-	-	-	1	2	2		
St. John Paddington H - G.J.		37330	7	11	1	5	-	-	-	-	-	-	-	-	-	2	2	7		
Kensington Town W - W.M.		120141	43	43	9	15	-	-	2	1	-	-	-	-	-	1	1	11		
Brompton H - W.M. & C.		43010	11	10	3	4	-	-	-	-	-	-	-	-	-	2	2	2		
St. Peter Hammersmith - W.M.		7895	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.		64340	40	30	14	5	-	1	-	-	2	-	-	1	1	2	3	6		
Fulham W - W.M. & C.		42900	70	30	12	6	-	3	1	1	1	-	-	-	-	4	6	-		
Chelsea Kensal Town - C.		15043	13	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-		
Chelsea North WHHHH - C.		42683	23	10	1	6	-	1	-	-	-	-	-	-	1	-	2	4		
Chelsea South HHH - C.		30396	16	13	3	5	-	-	-	-	-	-	-	-	-	-	-	4		
May Fair W - G.J.		80353	10	7	-	4	-	-	-	-	-	-	-	-	-	2	2	4		
Belgrave WHHH - C.		59220	15	21	1	4	-	-	-	-	2	-	2	-	-	1	2	7		
St. John Westminster HHH - C.		35498	21	11	4	1	-	-	-	-	-	-	-	-	1	1	1	5		
St. Margaret Westminster H - C.		24679	5	9	-	3	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Westminster WHH N.R. & G.J.		29941	11	14	3	6	-	1	-	-	-	-	-	-	1	1	2	2		
St. Anne Soho HHHHHH - N.R.		16608	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
NORTH DISTRICTS.																				
All Souls Marylebone HHHHH W.M.		26759	5	11	3	1	-	-	-	-	-	-	1	-	-	-	-	6		
Clarendon Square HHHH - W.M.		14391	3	8	1	4	-	-	-	-	-	-	-	-	-	-	1	2		
Rectory Marylebone WH G.J. & W.M.		24909	13	7	2	2	-	-	-	-	-	-	-	-	-	-	1	2		
St. Mary Marylebone HHH G.J. & W.M.		21118	26	7	2	2	-	-	-	-	1	-	-	-	-	-	-	-		
Christchurch Marylebone HH - W.M.		33700	7	11	5	1	-	-	-	-	-	-	-	-	2	-	-	-		
St. John Marylebone H - W.M.		35633	16	11	5	1	-	-	-	-	-	-	-	-	-	-	-	-		
Hamstead W - N.R. & W.M.		45452	27	23	1	6	-	4	4	-	-	-	-	-	1	1	10	-		
Regent's Park Pancras H - W.M.		39115	19	12	4	2	-	-	-	1	1	-	-	-	-	4	9	-		
Tottenham-court WHHHH N.R. & W.M.		27729	14	12	3	4	-	-	1	-	-	-	-	-	-	1	2	3		
Gray's Inn Lane HHH - N.R.		30247	22	10	4	1	-	-	-	-	1	-	1	-	1	1	2	1		
Somers Town H - N.R.		34389	17	13	5	2	-	-	-	-	-	-	-	-	1	1	4	5		
Camden Town WH - N.R.		17511	10	10	3	1	-	-	-	-	-	-	-	-	1	1	4	9		
Kentish Town W - N.R.		37487	44	41	10	6	-	2	-	-	1	-	-	-	1	-	-	-		
Upper Holloway WWHH - N.R.		67946	64	43	11	14	-	1	-	-	2	-	-	-	2	1	3	21		
Islington South-west H - N.R.		10076	52	24	10	3	-	-	1	-	1	-	-	-	1	4	5	1		
Islington South-east H - N.R.		61823	32	9	5	2	-	-	-	-	-	-	-	-	-	1	1	1		
Highbury H - N.R.		52048	23	15	5	8	-	-	-	-	-	-	-	-	-	-	-	-		
Stoke Newington H - N.R.		22781	20	10	2	1	-	1	-	1	-	-	-	-	-	-	-	-		
Stamford Hill - E.L.		9277	5	5	1	3	-	-	-	-	-	-	-	1	-	-	1	1		
West Hackney H - N.R.		37610	17	14	3	5	-	1	-	-	-	-	-	-	1	-	-	1		
Hackney Wick H - E.L. & N.R.		76911	55	45	10	10	-	1	5	1	2	1	3	-	-	-	1	21		
South Hackney - E.L.		39933	29	12	4	1	-	1	-	-	1	-	1	-	-	-	-	-		
CENTRAL DISTRICTS.																				
St. George Bloomsbury - N.R.		16681	5	3	-	1	-	-	-	1	-	-	-	-	-	-	-	-		
St. Giles South WH - N.R.		14984	4	2	1	1	-	-	-	-	1	-	-	-	-	-	-	-		
St. Giles North H - N.R.		13937	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
St. Martin-in-the-Fields HHN R. & C.		17509	8	6	3	-	-	-	-	-	-	-	-	-	-	1	1	3		
St. Mary-le-Strand H - N.R.		7515	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Danes H - N.R.		3559	3	8	1	1	-	-	-	-	-	-	1	-	-	-	-	5		
Strand Union Workhouse, Edmonton w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Geo.-the-Martyr HHHHHH N.R.		18671	6	9	2	-	-	-	-	-	-	-	-	-	-	1	1	4		
St. Andrew Eastern W - N.R.		10706	2	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Saffron Hill H - N.R.		6533	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - N.R.		17516	5	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell - N.R.		19281	19	5	1	1	-	-	-	-	-	-	-	-	-	2	2	-		
Pentonville - N.R.		14773	8	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-		
Goswell-street - N.R.		17506	7	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-		
Old-street H - N.R.		11541	3	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HHL - N.R.		18828	18	13	4	2	-	-	-	-	-	-	-	-	2	2	2	2		
Whitecross-street - N.R.		9217	6	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury - N.R.		7468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - N.R. & E.L.		11174	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate - N.R.		7193	2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - N.R.		3353	1	13	-	2	-	-	-	2	-	-	-	-	-	-	-	11		
St. Bride W - N.R.		8396	3	6	1	2	-	-	-	-	-	-	-	-	-	-	-	1		
Allhallows Barking - N.R.		13666	3	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - N.R.		5652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W.—Workhouse; H.—Hospital; L.—Lunatic Asylum; L'—Private Lunatic Asylum in which paupers are received; w.—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts.—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. North River; E. L. East London; and K. the Kent Company.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT

		The DEATHS registered in the Week include
REGISTRATION SUB-DISTRICTS.		Deaths from
Enume- rated Popu- lation, 1881.	Total Deaths.	Deaths of
		Infants under 1 Year of Age.
		Persons aged 10 Years & upwards.
		Small-pox.
		Miscellaneous.
		Scarlet Fever.
		Diphtheria.
		Whooping-cough.
		Typhus.
		Eutera (or Typhoid) Fever.
		Simple continued Fever.
		Dysentery.
		Violence.
		Inquest Cases.
		Deaths in Public Institutions.
		Unregistered Causes of Death.
<b>EAST DISTRICTS.</b>		
Boredale South HL - - N.R.	22943	16
Oxford New Town W - - N.R.	29937	24
Oxford Old Town - - N.R.	28038	14
Largeston WH - - N.R. & E.L.	46275	31
Cathedral Green North H - - E.L.	51187	44
Cathedral Green South - - E.L.	31399	27
Cathedral Green East WHL* - - E.L.	41403	55
Hillfields - - E.L. & N.R.	22585	18
Hill End New Town W - - E.L.	15472	13
Whitechapel Church H - E.L. & N.R.	17490	19
Woodman's Fields - - E.L.	3713	6
Edgate - - W.R. & E.L.	6102	5
St. George's North - - E.L.	38747	20
St. John, St. George East W - E.L.	8410	7
Hadwell H - - E.L. & N.R.	16335	4
Katcliffe - - E.L.	16107	9
Pimehouse - - E.L.	32041	23
Hill End Old Town West H - E.L.	37960	38
Hill End Old Town East WHW-H-E.L.	67658	45
Low L* - - E.L.	37074	24
Wormley WHH - - E.L.	64350	62
Woplar WWW - - E.L.	55077	36
<b>SOUTH DISTRICTS.</b>		
Christchurch Southwark WH L. & S.	18663	11
St. Saviour Southwark - - S.	14989	7
East-road - - S. & L.	21381	15
Rough-road WH - - S. & L.	15958	8
London-road HL - - L. & S.	21318	14
Trinity Newington - - S. & L.	26672	23
Peter Walworth W - - S. & L.	59555	44
Mary Newington - - L. & S.	21623	25
St. Olave WH - - B.	11956	6
Leather Market - - S. & L.	16800	16
St. Mary Magdalen W - - S.	15669	17
St. James Bermondsey - - S.	54882	34
Southwark WH - - S. & K.	36024	32
Waterloo-road 1st H - - L. & S.	15195	9
Waterloo-road 2nd H - - L. & S.	18351	14
Lambeth Church 1st H - - L. & S.	19876	9
Lambeth Church 2nd WW - L. & S.	39859	27
Kennington 1st - - S. & L.	45232	45
Kennington 2nd - - S. & L.	35832	20
Trixton w - - L. & S.	62837	24
Norwood W. - - L.	18017	14
East Battersea - - S.	54678	53
West Battersea WHH - - S.	52887	45
Clapham H - - S.	36380	23
Wandsworth WHL - - S.	28004	30
Fulney - - S.	15235	11
Breadth w - - L.	25553	29
Dulwich - - L. & S.	5590	1
Camden WOL*L* - - S. & L.	59104	57
Peckham W - - S., L., & K.	71089	61
St. George Camberwell - - L. & S.	60810	41
St. Paul Deptford w - - K.	76752	60
St. Nicholas Deptford - - K.	7901	6
Greenwich West H - - K.	21972	17
Greenwich East WHH - - K.	24608	17
Eltham H - - K.	5048	2
Lee H - - K.	21549	9
Lewisham WH - - K.	19865	20
Erdenham H - - L.	26076	24
Charlton HH - - K.	10950	6
Woolwich Dockyard - - K.	17617	8
Woolwich Arsenal HH - - K.	19048	14
Plumstead West H - - K.	14009	17
Plumstead East W - - K.	19241	37
Hospital Ships and Camp, Dartford - -	-	-
Winchmore Hill Hospital - -	-	-
Dartmouth Asylum - -	-	-
Darent Asylum - -	-	-
Leavesden Asylum - -	-	-
Canterbury Asylum - -	-	-
One Hill Asylum - -	-	-
Manwell Asylum - -	-	-
Colney Hatch Asylum - -	-	-
City of London Asylum - -	-	-



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—  
AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 25th October, 1890.

Regis- tration District and Sub- District Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include														
						Deaths of		Deaths from										Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.					
LONDON—OUTER RING		370,924	950,957	793	412	106	107	-	35	3	10	3	8	13	15	27	24	7		
30: 1	Carshalton wL -	12223	21113	9	9	2	3	-	-	-	2	-	-	-	1	1	-	-		
2	Epsom (part of)* WwH	9971	10710	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-		
37: 1	Godstone (part of)* -	2754	1233	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
38: 1	Croydon Ww L -	27851	101241	58	80	7	3	-	1	-	-	-	-	3	2	4	4	-		
2	Mitcham w -	11697	17932	12	5	2	-	-	-	-	-	-	-	1	-	-	-	-		
39: 1	Wimbledon HHH -	3220	15950	14	6	2	2	-	-	-	-	-	-	-	-	-	-	-		
2	Kingston WHH -	8548	36354	27	13	2	3	-	-	-	-	-	-	-	2	2	2	-		
3	Esher (part of)* -	6601	9231	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
4	Hampton H -	4573	13539	12	6	1	3	-	-	-	-	-	-	-	-	-	1	-		
40: 1	Richmond WH -	2272	21302	11	7	2	4	-	-	-	-	1	-	-	-	-	1	-		
2	Mortlake - - -	2941	12331	11	5	1	1	-	-	-	-	-	-	-	-	-	-	-		
41: 1	Bromley (pt. of)* HHHH	15669	81142	26	8	3	3	-	1	-	-	-	-	-	1	1	-	1		
2	Chislehurst (pt. of)* WHH	14507	15344	14	7	-	2	-	-	-	-	-	-	-	-	1	1	-		
42: 1	Bexley H - - -	13437	24134	7	9	1	3	-	1	-	-	-	-	-	1	2	-	-		
2	Dartford (Ww, pts. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
124: 1	Sunbury w - - -	11055	11655	10	1	1	-	-	1	-	-	-	-	-	-	-	-	-		
2	Staines W - - -	13277	12089	8	3	-	2	-	-	-	-	-	-	-	-	-	-	-		
125: 1	Hillingdon WHH -	6029	10802	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	Uxbridge - - -	6178	3225	1	1	-	1	-	-	-	-	-	-	-	1	1	-	-		
3	Hayes wHL - - -	14537	11523	11	3	2	-	-	-	-	-	-	-	-	-	-	-	-		
126: 1	Isleworth WHH -	7008	22727	10	10	1	3	-	1	-	-	-	-	-	-	1	2	-		
2	Twickenham H -	2477	12479	10	4	-	3	-	-	-	-	-	-	-	-	-	2	-		
3	Brentford HL - -	4345	27649	17	16	2	5	-	4	-	1	-	-	-	1	2	1	-		
4	Chiswick - - -	1340	15975	15	8	1	6	-	-	-	-	-	-	-	1	2	-	-		
5	Acton wH - - -	6083	22376	16	12	3	2	-	4	-	-	-	-	1	-	2	-	-		
127: 1	Harrow H - - -	13809	12794	5	7	2	3	-	-	-	-	-	-	-	-	-	-	-		
2	Edgware H - - -	6994	3749	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-		
3	Willesden - - -	4383	27453	34	14	3	3	-	1	-	-	-	-	-	-	1	-	-		
4	Hendon W - - -	8332	10484	17	4	-	3	-	-	-	-	-	-	-	-	-	-	-		
137: 1	Bushey - - -	9331	6671	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-		
2	Watford (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
138: 1	South Mimms - -	15539	6391	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-		
2	Barnet - - -	5433	10092	9	2	1	1	-	1	-	-	-	-	-	-	-	1	-		
3	Finchley HL - -	4683	17615	18	3	-	2	-	-	-	-	-	-	-	-	-	1	-		
139: 1	Hatfield (part of)*	3306	583	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
128: 1	Hornsey H - - -	3039	37073	24	13	4	3	-	-	-	1	-	-	1	1	2	-	-		
2	Tottenham H - -	4642	46456	46	19	3	7	-	-	-	-	2	-	3	3	-	-	-		
3	Edmonton Ww - -	7453	23462	18	8	3	2	-	-	-	-	-	-	1	-	-	-	-		
4	Enfield WH - - -	12653	19104	26	19	3	3	-	-	1	-	1	2	-	-	-	1	-		
5	Waltham Abbey -	11017	5343	6	3	1	1	-	2	-	-	-	-	-	-	-	-	-		
6	Cheshunt H - - -	3490	7735	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
150: 1	Stratford - - -	832	38606	21	15	7	1	-	-	-	-	-	1	-	-	1	-	-		
2	West Ham wHHH	4055	90347	110	69	19	5	-	13	2	2	-	1	4	-	-	-	5		
3	East Ham ww - -	3296	10706	24	9	3	-	-	1	-	-	-	-	-	-	-	-	1		
4	Leyton WwL - - -	4372	32450	37	27	11	5	-	3	-	2	-	1	-	-	-	5	-		
5	Walthamstow H -	6590	28869	46	15	5	6	-	1	-	1	-	-	1	1	1	-	-		
137: 1	Chigwell (part of)* H	11761	9639	5	7	2	2	-	1	-	1	1	-	-	-	-	-	-		
2	Epping (W, pt. of)*	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	1	-		
139: 1	Romford (part of)* W	6730	3411	3	1	-	-	-	-	-	-	-	-	-	-	-	-	1		
2	Ilford - - -	5493	7645	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-		
3	Barking Town - -	4127	9203	10	2	-	-	-	-	-	-	-	1	1	-	-	-	-		

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
30: 2, Epsom sub-district, except the parishes of Asenstead and Headley (pop. 1235); 37: 1, the parishes of Warringtonham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadnam and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 135: 1, the parish of Norton in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 149: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 127: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 25th October, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												Deaths in Public institutions.
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
GREATER LONDON	448,334	5,758,500	18·7	2·7	2061	535	457	-	105	32	33	31	24	68	65	405		
INNER LONDON -	77,410	4,421,661	19·5	2·6	1649	429	50	-	70	29	23	28	16	55	50	381		
OUTER RING -	370,924	1,336,839	16·1	2·8	412	106	107	-	35	3	10	3	8	13	15	24		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA - -	433,219	September 13	-	198	23·8	-	-	-	-	1	73	29†	
BOMBAY - -	778,196	" 30	355	381	21·4	-	1	?	?	?	112	31	
MADRAS - -	398,777	" 12	459	512	66·7	1	9	?	?	?	126	157†	
PARIS - -	2,260,945	October 18	934	915	21·1	-	9	2	23*	7	20	82	
BRUSSELS - -	477,288	" 18	180	183	19·9	-	-	-	-	1	1	24	
with 8 Faubourgs.)													
AMSTERDAM -	406,302	" 18	221	131	10·8	-	1	-	3	1	4	-	
ROTTERDAM -	203,486	" 18	109	79	20·1	-	-	-	-	1	1	2	
THE HAGUE -	156,497	" 18	85	63	20·9	-	6	-	-	-	-	-	
COPENHAGEN -	312,387	" 18	216	114	19·0	-	2	2	4	2	1	12	
STOCKHOLM -	236,350	" 11	119	87	19·1	-	-	5	2*	3	3	12	
CHRISTIANIA -	143,300	" 18	39	59	21·4	-	-	3	8	-	1	5	
ST. PETERSBURG	924,466	" 11	-	347	19·6	6	4	15	5	1	9	30	
BERLIN - -	1,547,533	" 4	810	555	18·6	-	1	8	35	14	6	79	
HAMBURG(State)	591,647	" 11	394	200	17·6	-	1	6	6*	1	4	14	
DRESDEN - -	269,250	" 11	131	87	16·8	-	2	2	6*	-	-	9	
BRESLAU - -	324,400	" 18	-	-	-	-	-	-	-	-	-	-	
MUNICH - -	298,000	" 18	-	124	21·6	-	-	1	5*	1	1	26	
VIENNA - -	822,176	" 18	442	303	19·2	1	3	2	6	1	4	31	
PRAGUE - -	514,425	" 18	-	124	20·6	-	1	4	4	-	1	3	
BUDA-PESTH -	463,017	" 11	-	-	-	-	-	-	-	-	-	-	
TRIESTE - -	160,092	" 18	66	66	21·4	-	-	-	2*	1	-	5	
ROME - -	417,392	September 20	202	173	21·8	1	-	-	2	-	16†	25	
TURIN (10 days)	314,827	" 27	202	143	18·2	-	-	1	3	-	10†	15	
VENICE - -	156,800	" 10	223	153	17·7	-	-	-	2	-	3	23	
October 4			67	73	24·3	9	3	-	1	-	-	6	
CAIRO - -	374,838	September 25	377	303	42·0	-	-	-	1	4	14	120	
ALEXANDRIA -	231,396	" 25	172	157	35·3	-	-	-	3*	-	3	49	
NEW YORK -	1,617,997	October 4	-	651	20·6	-	3	1	12	7	8	70	
BROOKLYN -	871,852	" 4	-	320	19·0	-	1	2	6	9	4	21	
PHILADELPHIA -	1,064,277	" 4	-	327	16·0	-	-	5	7	2	12	19	
BALTIMORE -	500,343	" 4	-	167	17·4	-	-	1	3	5	11	8	
NEW ORLEANS -	254,000	September 27	-	-	-	-	-	-	-	-	-	-	

\* Including deaths from croup.

† Including 3 deaths from cholera in Calcutta, and 36 in Madras.

‡ Including 7 and 13 deaths respectively from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 25TH OCTOBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		BARO-METER.		TEMPERATURE.				Difference between the Air Temperature and Dew Point.				Degree of Humidity (Saturation 100°).		Of Radiation.		Of the Water of the Thames at Deptford.		Wind as deduced from Anemometers.				Rain collected in a Gauge whose receiving surfaces are above the Ground.									
MONTH AND DAY.		Phases of the Moon.		Mean daily reading of the barometer reduced to 32° Fahr. (height).		Of the Air.		De-Parture from Average of 24 years.		Of the Dew Point.		Mean daily value.		Least.		High-est in Sun's Rays.		Low-est.		General Direction.		Pressure on the Square Foot.		Robinson's.		Horizontal Movement of the Air on each Day.		Vertical Movement of the Air on each Day.		Average of 10 Years.	
				in.		°		°		°		°		°		°		°		lbs.		lbs.		lbs.		Miles.		Miles.		in.	
SUN.	19	..	30.007	51.0	44.3	6.7	47.1	— 3.7	39.5	7.6	10.6	5.0	75	64.1	39.1	52.2	50.9	NNW.	NNW.	2.9	0.0	0.2	350	+184	0.00	0.00	0.00	0.00	0.00	0.00	
MON.	20	Greatest Dec. S.	30.082	53.5	45.2	8.3	48.0	— 2.6	40.4	7.6	12.8	5.9	75	71.6	43.4	52.4	51.0	NNW.	NNW.	0.0	0.0	0.0	134	—133	0.00	0.00	0.00	0.00	0.00	0.00	
TUES.	21	First Qr.	30.148	54.5	43.2	11.3	47.6	— 2.8	45.3	2.3	9.6	0.0	92	85.5	35.0	51.1	49.6	Cal. & NE.	NE.	0.0	0.0	0.0	67	—201	0.10	0.10	0.00	0.00	0.00	0.00	
WED.	22	..	30.344	53.6	37.2	16.4	45.1	— 5.0	35.4	9.7	17.4	1.2	69	102.9	30.5	52.5	51.2	E. & SE.	SSE. & SSW.	0.0	0.0	0.0	104	—164	0.00	0.00	0.00	0.00	0.00	0.00	
THURS.	23	..	30.261	54.1	40.9	13.2	48.9	— 0.8	45.8	3.1	6.8	0.0	89	60.2	36.8	52.6	51.2	WSW. & NNW.	NNW. & NW.	0.3	0.0	0.0	180	— 89	0.00	0.00	0.00	0.00	0.00	0.00	
FEL.	24	Perigee.	29.979	53.6	43.5	10.1	52.8	+ 3.4	48.4	4.4	10.3	0.0	85	73.0	47.0	52.3	50.8	NNW. & WSW.	WSW. & SW.	0.9	0.0	0.0	303	+ 34	0.00	0.00	0.00	0.00	0.00	0.00	
SAT.	25	..	29.471	55.6	42.9	12.7	48.2	— 0.9	47.1	1.1	7.5	0.0	96	60.7	39.0	52.1	50.7	SW. & WSW.	WSW. NW. & NNW.	1.6	0.0	0.1	376	+106	0.35	0.35	0.00	0.00	0.00	0.00	
MEANS	..	..	30.042	54.4	43.2	11.2	48.2	— 1.8	43.3	5.1	10.7	1.7	83	74.0	38.7	52.2	50.8	NNW. & WSW.	NNW. & WSW.	..	..	..	Sum 1514	Sum —363	Sum 0.45	Sum 0.45	0.01	0.01	0.01	0.01	
No. of Col.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
GENERAL REMARKS.																															
Overcast.																															
Overcast.																															
Overcast with rain in morning; fine with variable amounts of cloud afterwards.																															
Generally cloudless and very fine till evening; overcast at night.																															
Overcast.																															
Overcast generally.																															
Overcast with frequent rain till afternoon; very variable afterwards.																															
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The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the twenty years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and — "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Office Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.98 in. at the beginning of the week to 30.38 in. by noon on the 22nd; and decreased to 29.38 in. by the end of the week.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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General Register Office, Somerset House,  
3rd November, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 22·1 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.		Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.
Birkenhead	25·3	23·3	28·3	24·3	Liverpool -	21·7	22·0	20·6	23·7
Birmingham	20·3	16·7	19·9	18·6	London -	17·4	20·5	19·5	21·4
Blackburn -	32·9	26·6	25·7	27·4	Manchester -	29·0	28·0	29·4	31·7
Bolton -	22·5	24·3	23·0	26·6	Newcastle-on-Tyne	25·9	22·7	25·9	24·0
Bradford -	25·6	22·5	20·8	19·3	Norwich -	20·8	20·2	18·6	24·6
Brighton -	16·9	17·3	14·8	22·3	Nottingham -	17·7	12·3	15·5	16·4
Bristol -	14·6	19·8	15·3	15·3	Oldham -	17·8	22·4	19·9	29·1
Cardiff -	25·4	20·1	29·9	25·8	Plymouth -	24·5	13·9	21·8	25·8
Derby -	12·4	19·1	22·7	14·5	Portsmouth -	18·2	15·7	18·6	24·8
Halifax -	23·5	21·0	22·2	29·2	Preston -	24·3	25·8	26·3	31·7
Huddersfield	19·4	18·3	13·3	19·4	Salford -	22·8	21·5	21·5	24·1
Hull -	17·8	18·0	23·4	19·0	Sheffield -	21·1	24·9	25·2	24·1
Leeds -	22·9	19·1	19·1	20·9	Sunderland -	22·9	25·2	27·5	17·6
Leicester -	19·6	19·9	15·2	19·9	Wolverhampton -	21·9	23·1	15·6	20·0

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·1 in London, 1·3 in Brighton, in Halifax, and in Cardiff, 1·4 in Oldham, 1·7 in Bradford, and 1·9 in Manchester; from *scarlet fever*, 1·0 in Leicester and in Preston, 1·1 in Portsmouth, 1·3 in Sheffield, 1·5 in Liverpool and in Birkenhead, and 1·9 in Halifax; from *whooping-cough*, 1·1 in Huddersfield, and 1·6 in Norwich; from "*fever*", 1·1 in Salford and 1·3 in Blackburn; and from *diarrhoea*, 3·1 in Cardiff, 3·6 in Bolton, and 5·5 in Preston. The 45 deaths from *diphtheria* included 26 in London, 5 in Liverpool, 5 in Salford, and 2 in Manchester. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2295 BIRTHS and 1816 DEATHS were registered. Allowing for increase of population, the births were 587 below, while the deaths exceeded by 171, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20·5 and 19·5 in the preceding two weeks, rose again last week to 21·4, and was higher than the mortality in any week of this year since the beginning of March. During the first five weeks of the current quarter the death-rate averaged 19·1 per 1000, exceeding by 0·4 per 1000 the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1816 deaths included 95 from measles, 16 from scarlet fever, 26 from diphtheria, 19 from whooping-cough, 26 from enteric fever, 43 from diarrhœa and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or from cholera; thus, 225 deaths were referred to these diseases, exceeding by 27 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 5; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had steadily increased in the preceding five weeks from 22 to 70, further rose last week to 95, exceeding the corrected average by 55; 34 belonged to the East and 47 (including 15 which belonged to Camberwell) to the South groups of sanitary areas. The fatal cases of *scarlet fever*, which had numbered 20 and 29 in the preceding two weeks, declined last week to 16, being less than one third of the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2110 scarlet-fever patients at the end of last week, the numbers on the preceding ten Saturdays having increased from 1427 to 1964; 247 cases were admitted during the week, against 208 and 203 in the preceding two weeks. The deaths from *diphtheria*, which had been 41 and 23 in the preceding two weeks, increased again last week to 26, and exceeded the corrected average by 5. The 19 deaths from *whooping-cough* were fewer than the numbers recorded in the last three weeks, and were 7 below the corrected average. The 43 deaths from *diarrhœa* showed a further decrease, though still in excess of the corrected average; 39 were of children under one year of age. The cause of death of an infant was certified as "*acute dengue*, 2½ days, *choleraic diarrhœa*,"

The deaths attributed to *enteric fever*, which had been 21 and 15 in the preceding two weeks, increased last week to 26, and exceeded the number recorded in any previous week of this year; they were, however, one below the corrected average. The Metropolitan Asylum Hospitals contained 179 cases of enteric fever, and one of typhus, on Saturday last; 25 cases of enteric fever were admitted during the week, against 24 and 23 in the previous two weeks.

Two deaths of adults were certified to have resulted from "*influenza*" (in one case described as "*Russian*").

The deaths referred to diseases of the respiratory organs, which had increased in the preceding three weeks from 197 to 417, further rose last week to 450, exceeding the corrected average by 45.

The deaths of two widows were registered (one of whom resided in Kensington and one in Spitalfields) whose ages were stated to be 100 years and 107 years respectively.

Different forms of violence caused 57 deaths, concerning all but 3 of which inquests were held. Of these 57 deaths, 6 were cases of suicide, and 4 of murder, while the remaining 47 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 8 by burns or scalds, one by poison, 4 by drowning, and 9 of infants aged under one year by suffocation.

#### GREATER LONDON.

In Greater London 3052 births and 2239 deaths were registered, corresponding to annual rates of 27·6 and 20·3 per 1000 of the estimated population. In the Outer Ring 47 deaths were referred to measles, 14 to diphtheria, 9 to diarrhœa, and 6 to scarlet fever. The deaths from measles included 13 in West Ham, 11 in Brentford, and 4 in Mortlake sub-districts. Seven deaths from diphtheria were recorded in the district of West Ham.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·64 ins.; the lowest reading was 29·21 ins. on Sunday at noon, and the highest 29·95 ins. on Tuesday evening. The mean temperature of the *air* was 43°·6, and 4°·3 below the average in the corresponding weeks of the 20 years ending 1868. The mean was far below the average on the first three days of the week, the deficiency on Tuesday amounting to 16°·8; whereas on the last four days the mean showed an excess. The general direction of the *wind* was Westerly, and the horizontal movement of the air averaged 12·6 miles per hour, which was 1·2 miles above the average in the corresponding weeks of 16 years. *Rain* fell on three days of the week, to the aggregate amount of 0·23 of an inch. The duration of registered bright sunshine in the week was 12·6 hours, against 22·5 hours at Glynde Place, Lewes.

TABLE 2.—BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the week ending 1st November 1890.

CITIES AND BOROUGHES.	Population estimated to the middle of the Year 1890.	The Deaths registered in the Week include										TEMPERATURE OF THE AIR.										RAINFALL.		CITIES AND BOROUGHES.						
		Deaths during the Week ending 1st Nov., 1890.										Annual Rate per 1000, corresponding to the Week's Deaths										Mean.			In Inches.					
		Deaths of										Fahrenheit.										Fahrenheit.			In Centi.					
CITIES AND BOROUGHES.	Cols.	Deaths of										Fahrenheit.										Fahrenheit.		In Centi.		Cols.				
		Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Rever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unspecified Cause of Death.	From All Causes.	From Diseases in Cols. 12.	Highest.	Lowest.	Fahrenheit.	Centigrade.	In Inches.									
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.							
28 TOWNS	9,715,559	4118	1030	921	-	159	76	45	43	58	143	124	260	680	98	22	2	61	5	44	2	0	55	1	40	28 TOWNS.				
LONDON	2205	1816	413	448	-	85	16	26	19	26	43	57	119	385	23	21	4	57	9	43	6	0	23	0	58	LONDON.				
BRIGHTON	54	53	12	13	-	3	1	-	-	1	-	1	1	7	1	2	2	57	0	45	7	5	0	43	1	09	BRIGHTON.			
PORTSMOUTH	38	68	21	14	-	-	3	1	-	1	3	2	6	-	-	2	2	59	5	28	0	4	0	59	1	50	PORTSMOUTH.			
NORWICH	54	45	16	16	-	1	-	1	3	-	2	-	-	2	-	-	3	24	6	44	9	7	17	-	-	NORWICH.				
PLYMOUTH	48	39	12	15	-	1	-	1	-	1	1	1	3	1	1	2	5	61	5	35	0	48	2	0	51	PLYMOUTH.				
BRISTOL	232	68	13	18	-	2	-	1	-	1	1	2	4	10	2	1	1	57	8	31	0	46	9	8	23	0	42	BRISTOL.		
WOLVERHAMPTON	50	32	6	10	-	-	-	-	-	-	1	1	3	8	-	-	0	56	2	25	6	41	9	5	50	0	25	0	63	WOLVERHAMPTON.
BIRMINGHAM	242	165	37	34	-	6	4	1	1	-	7	9	19	27	10	18	6	-	-	-	-	-	-	-	-	-	BIRMINGHAM.			
LEICESTER	76	59	21	13	-	2	3	-	-	1	1	1	2	7	1	19	9	-	-	-	-	-	-	-	-	-	LEICESTER.			
NOTTINGHAM	121	77	26	13	-	1	1	-	1	1	5	2	4	10	1	16	4	57	6	20	4	42	4	0	40	1	02	NOTTINGHAM.		
DERBY	52	28	7	10	-	-	-	-	-	-	-	-	1	2	1	14	5	0	-	-	-	-	-	-	-	-	DERBY.			
BIRKENHEAD	65	49	16	7	-	2	3	-	1	-	-	1	5	6	-	24	3	-	-	-	-	-	-	-	-	-	BIRKENHEAD.			
LIVERPOOL	313	279	68	38	-	3	18	5	4	4	6	11	13	44	15	23	7	57	3	34	3	46	2	0	74	1	88	LIVERPOOL.		
BOLTON	75	59	18	11	-	1	1	-	-	1	8	1	3	6	3	26	6	5	0	-	-	-	-	-	-	-	BOLTON.			
MANCHESTER	288	281	47	43	-	14	5	2	6	2	10	5	15	41	5	31	7	-	-	-	-	-	-	-	-	-	MANCHESTER.			
SALFORD	136	112	31	17	-	2	1	5	1	5	4	4	8	16	4	24	1	-	-	-	-	-	-	-	-	-	SALFORD.			
OLDHAM	73	82	24	21	-	4	-	-	-	-	5	2	6	10	1	29	1	-	-	-	-	-	-	-	-	-	OLDHAM.			
BLACKBURN	69	65	21	9	-	-	1	-	-	3	2	2	3	4	1	27	4	-	-	-	-	-	-	-	-	-	BLACKBURN.			
PRESTON	77	64	24	16	-	-	2	-	1	-	-	1	3	4	5	31	7	-	-	-	-	-	-	-	-	-	PRESTON.			
HUDDESFIELD	32	35	7	11	-	-	1	-	2	-	-	-	1	5	1	19	4	-	-	-	-	-	-	-	-	-	HUDDESFIELD.			
HALIFAX	47	40	7	15	-	2	3	-	-	1	1	3	1	5	3	29	2	4	-	-	-	-	-	-	-	-	HALIFAX.			
BRADFORD	104	89	29	12	-	8	1	-	-	-	3	-	3	3	2	19	3	2	6	43	0	6	11	0	44	1	12	BRADFORD.		
LEEDS	227	146	41	21	-	4	1	1	-	1	5	4	5	13	14	20	9	2	3	-	-	-	-	-	-	-	LEEDS.			
SHEFFIELD	241	154	40	23	-	5	8	-	1	2	7	3	8	14	11	24	1	-	-	-	-	-	-	-	-	-	SHEFFIELD.			
HULL	130	78	19	22	-	-	-	-	1	1	6	5	7	14	-	19	0	-	-	42	4	5	78	0	87	2	21	HULL.		
SUNDERLAND	186	106	46	14	6	-	2	-	-	1	1	2	3	4	-	17	6	-	-	-	-	-	-	-	-	-	SUNDERLAND.			
NEWCASTLE	122	75	20	15	-	-	-	1	1	1	3	3	3	13	2	24	0	1	6	52	0	30	0	0	75	1	90	NEWCASTLE.		
GLASGOW	73	58	18	7	-	3	1	1	-	1	7	1	2	4	3	25	8	-	-	-	-	-	-	-	-	-	GLASGOW.			
DUBLIN	142	105	27	27	-	2	1	5	3	-	4	5	9	19	23	20	2	9	56	7	29	5	43	7	2	07	5	26	DUBLIN.	
GLASGOW	318	244	47	50	-	4	9	5	8	4	5	9	9	46	20	24	0	3	4	-	-	-	-	-	-	-	GLASGOW.			
DUBLIN	134	171	37	41	-	1	-	1	3	6	5	5	1	64	21	23	3	2	4	57	0	32	6	43	0	74	1	88	DUBLIN.	

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-FOURTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2706	2618	2896	2623	2745	2695	2556	2593	2573	2623	2881.9	2295
Males . . .	1358	1347	1441	1310	1383	1410	1322	1301	1204	1316	1458.2	1155
Females . .	1368	1271	1455	1313	1362	1285	1234	1292	1169	1307	1423.7	1140
<b>TOTAL Deaths</b>	1513	1645	1502	1440	1503	1483	1332	1735	1613	1317	1644.7	1816
Males . . .	768	849	762	720	789	743	686	896	820	673	840.3	908
Females . .	745	796	740	720	714	740	646	839	793	644	804.4	908

\* The numbers in this column are the average weekly numbers in the forty-fourth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.
<b>TOTAL Births</b>	2176	2527	2487	2614	2469	2589	2355	2458	2433	2409	2412	2512	2295
<b>TOTAL Deaths</b>	1594	1751	1629	1659	1514	1410	1375	1458	1413	1472	1741	1649	1816
<b>Ages at Death</b>													
{ 0-20 years	915	1019	964	911	796	687	667	740	726	747	870	835	826
{ 20-40 "	171	169	148	190	177	183	200	182	170	180	204	200	206
{ 40-60 "	225	263	233	265	240	238	214	236	223	240	316	264	333
{ 60-80 "	230	246	235	234	245	256	232	253	253	254	281	296	372
{ 80 years & upwards	58	54	49	59	56	46	62	44	41	51	70	51	76
<b>" { Under 1 year</b>	549	635	603	525	459	395	376	429	433	436	491	429	413
{ 1-5 "	294	294	292	282	217	217	227	207	193	213	260	306	302
{ 5-20 "	72	90	69	104	90	75	64	104	100	98	119	103	111
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	-	1	-	-	-	-	-
" " Measles	95	80	73	60	56	39	33	22	30	38	59	70	95
" " Scarlet fever	17	27	16	24	18	18	14	16	20	20	20	29	16
" " Diphtheria	22	15	20	26	16	18	35	38	28	38	41	23	26
" " Whooping-cough	37	39	39	39	46	35	33	29	18	59	30	28	19
" " Typhus	-	-	-	-	-	1	-	-	-	-	-	-	-
" " Enteric fever	11	16	11	17	18	18	21	18	24	24	21	15	26
" " Simple Contag. fever	1	1	-	-	1	-	-	2	1	1	2	1	-
" " Diarrhoea and Dysentery	176	262	255	180	128	117	94	86	105	94	75	55	43
" " Cholera	4	10	12	7	5	5	3	6	3	2	2	-	-
" " all the above-mentioned Diseases	363	450	426	353	288	251	238	218	229	246	250	221	225
" " Dis. of Respiratory System	197	208	203	184	180	210	187	222	262	197	340	417	450
" " Phthisis	126	129	119	167	139	136	157	130	123	147	204	139	189
" " Dis. of Circulatory System	119	113	116	100	120	114	136	104	100	123	144	151	156
<b>Violent Deaths</b>	50	75	54	57	54	55	43	52	61	49	52	55	57
<b>Inquest Cases</b>	103	118	105	105	98	109	83	103	107	113	123	114	119
<b>Deaths in Public Institutions</b>	373	403	343	364	391	360	360	377	334	346	397	381	395
<b>TEMPERATURE OF THE AIR</b>													
Mean	62.6	61.1	59.0	54.4	58.4	59.4	60.4	58.8	56.7	54.3	47.7	43.2	43.6
Mean of Highest readings	73.8	73.2	69.0	66.5	71.0	73.2	71.7	69.2	66.3	64.1	56.5	54.4	50.4
Mean of Lowest readings	53.2	54.6	51.8	46.0	48.4	48.2	51.0	50.9	49.3	45.5	39.8	43.2	36.3
<b>Humidity of the Air</b>	77	82	81	80	83	79	74	83	76	82	82	83	85
<b>Rain-fall in inches</b>	0.00	0.78	1.00	0.67	0.00	0.00	0.34	0.31	0.00	0.33	0.20	0.45	0.23
<b>Registered Sunshine (in hours)</b>	30.5	32.6	31.9	36.5	26.8	48.6	50.7	24.9	36.9	36.5	16.0	8.8	12.6

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; T. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and E. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Macandusborough, Esq., F.R.C.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., LL.D., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-FOURTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 44th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 1st November 1890.							Corrected Averages for the 44th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 1st November 1890.									
		Deaths of Persons of the Ages								Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.			
			0-1.	1-5.	5-20.			0-1.			1-5.	5-20.	0-1.			1-5.	5-20.		
ALL CAUSES - -	1644.7	1816	413	302	111	206	336	372	76	Diseases of Organs of Special Sense † - -	3.4	6	1	2	2	-	1	-	-
Small-pox { Vaccinated† -	1.5	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	121.6	155	5	2	9	17	38	76	9
Unvaccinated† -	2.3	-	-	-	-	-	-	-	-	Croup - - -	14.6	11	1	7	3	-	-	-	-
No Statement -	1.1	-	-	-	-	-	-	-	-	Bronchitis - - -	243.4	275	94	43	8	4	41	73	13
Measles - - -	39.6	95	10	81	4	-	-	-	-	Pneumonia - - -	107.1	122	84	35	2	15	23	13	1
Scarlet Fever -	51.5	16	1	9	6	-	-	-	-	Pleurisy - - -	6.3	8	-	-	-	-	-	-	-
Typhus - - -	1.1	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	33.2	39	10	6	-	5	8	10	-
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	Dentition † - - -	10.2	7	5	2	-	-	-	-	-
Influenza - - -	0.2	2	-	-	-	1	1	-	-	Quinsy, Sore Throat † -	2.4	-	-	-	-	-	-	-	-
Whooping-cough -	25.5	19	10	9	-	-	-	-	-	Enteritis - - -	8.7	14	8	1	-	1	3	1	-
Diphtheria - - -	20.9	26	1	13	12	-	-	-	-	Peritonitis - - -	3.2	6	1	-	2	2	1	-	-
Simple Continued and Ill-defined Fever -	2.0	-	-	-	-	-	-	-	-	Diseases of Liver -	32.7	25	3	-	-	2	11	9	-
Enteric Fever - -	26.8	26	-	-	4	17	5	-	-	Other Diseases of Digestive System -	27.3	34	8	-	2	6	11	5	2
Cholera and Chol. Diarr.	0.3	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - -	2.5	6	-	-	-	-	2	4	-
Diarrhoea, Dysentery -	24.9	43	31	6	-	2	2	-	-	Diseases of Urinary System - - -	41.7	49	-	4	2	7	15	18	8
Remittent Fever† -	0.4	-	-	-	-	-	-	-	-	Diseases of Generative System - - -	5.3	8	-	-	-	2	4	2	-
Hydrophobia - - -	0.3	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.3	2	-	-	-	9	-	-	-
Glanders - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - -	9.1	9	1	-	5	1	1	1	-
Cowpox and Effects of Vaccination † -	0.5	1	1	-	-	-	-	-	-	Diseases of Integumentary System - -	5.1	6	1	-	-	2	2	1	-
Veneral Affections -	10.3	10	6	-	-	1	2	1	-	VIOLENT DEATHS.‡									
Erysipelas - - -	7.9	8	2	1	-	1	3	1	-	(ACCIDENT.)									
Pyæmia and Septicæmia †	3.5	4	1	-	-	3	-	-	-	Fracture and Contusion -	18.8	22	-	2	3	3	6	8	1
Puerperal Fever - -	8.2	10	-	-	9	1	-	-	-	Gunshot Wound - - -	6.1	-	-	-	-	-	-	-	-
Other Zymotic Diseases †	1.3	1	1	-	-	-	-	-	-	Cut, Stab - - -	0.2	-	-	-	-	-	-	-	-
Thrush - - -	2.0	2	2	-	-	-	-	-	-	Burn and Scald - - -	4.4	8	-	3	1	1	-	-	-
Worms and other Parasitical Diseases -	0.3	-	-	-	-	-	-	-	-	Poison - - -	1.5	1	-	-	1	-	-	-	-
Starvation, Want of Breast-milk † -	1.3	-	-	-	-	-	-	-	-	Drowning - - -	3.3	4	-	-	2	-	-	-	-
Alcoholism - - -	5.3	5	-	-	-	2	3	-	-	Suffocation - - -	13.3	9	9	-	-	-	-	-	-
Rheumatic Fever, Rheumatism of Heart†	11.1	15	-	1	8	4	2	-	-	Otherwise - - -	2.9	3	1	1	-	1	-	-	-
Rheumatism † - -	1.1	5	-	-	-	2	3	-	-	(HOMICIDE.)									
Gout - - -	3.4	2	-	-	-	-	-	-	-	Murder & Manslaughter -	2.4	4	2	1	-	1	-	-	-
Rickets † - - -	2.1	2	-	2	-	-	-	-	-	(SUICIDE.)									
Cancer - - -	24.5	76	-	-	3	5	80	36	2	Gunshot Wound - - -	0.9	3	-	-	-	1	2	-	-
Tubercular Meningitis -	21.3	31	15	11	2	3	-	-	-	Cut, Stab - - -	2.4	-	-	-	-	-	-	-	-
Phthisis - - -	21.7	25	8	10	6	1	-	-	-	Poison - - -	0.5	-	-	-	-	-	-	-	-
Scrophula, Tuberculosis -	17.5	159	4	3	19	81	69	13	-	Drowning - - -	1.2	1	-	-	-	-	-	-	-
Other Constitutional Diseases † -	11.7	19	-	1	1	1	6	9	1	Hanging - - -	1.4	2	-	-	-	2	1	-	-
Premature Birth - -	35.9	35	25	-	-	-	-	-	-	Otherwise - - -	1.1	-	-	-	-	-	-	-	-
Atelectasis † - -	1.9	-	-	-	-	-	-	-	-	(EXECUTION.)									
Congenital Malformations -	6.2	7	6	-	1	-	-	-	-	Hanging - - -	0.0	-	-	-	-	-	-	-	-
Old Age - - -	31.8	51	-	-	-	-	17	34	5	OTHER CAUSES † - -	69.2	64	35	6	-	-	-	3	-
Apoplexy - - -	43.5	42	-	-	-	1	12	24	5										
Epilepsy - - -	6.4	10	-	-	4	3	2	1	-										
Convulsions - - -	42.6	84	27	7	-	-	-	-	-										
Other Diseases of Brain and Nervous System	80.4	85	4	20	3	5	20	23	4										

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated," or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the Week include																		
REGISTRATION SUB-DISTRICTS.		Enu- mer- ated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths from													
					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON		3,815,704	2295	1816	413	448	-	95	16	26	19	-	26	-	43	57	119	305
WEST DISTRICTS		693,633	367	272	57	83	-	9	5	4	3	-	5	-	8	5	15	73
NORTH DISTRICTS		995,947	505	403	86	103	-	5	4	8	3	-	7	-	7	13	22	73
CENTRAL DISTRICTS		232,238	137	94	16	29	-	-	-	2	1	-	6	-	2	2	7	23
EAST DISTRICTS		691,738	441	370	93	73	-	34	8	6	4	-	4	-	6	14	31	89
SOUTH DISTRICTS		1,265,148	855	654	161	146	-	47	5	6	8	-	4	-	20	23	41	103
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	23	-	11	-	-	1	-	-	-	-	-	-	-	1	24
WEST DISTRICTS.																		
St. Mary Paddington WHH G.J. & W.M.		63383	29	27	7	12	-	1	-	-	-	-	-	-	1	-	1	8
St. John Paddington H - - G.J.		37339	7	22	8	7	-	-	-	-	-	-	1	-	-	-	-	-
Kensington Town WH - - W.M.		190141	65	38	5	17	-	-	-	-	1	-	-	-	1	1	4	12
Brompton H - - W.M. & C.		48910	12	13	3	-	-	-	-	-	-	-	-	-	-	-	-	3
St. Peter Hammersmith - - W.M.		7899	3	4	2	1	-	-	-	-	-	-	-	-	-	-	1	-
St. Paul Hammersmith H W.M. & G.J.		64310	43	22	6	7	-	2	-	1	-	-	-	-	1	2	3	2
Fulham W - - W.M. & C.		42900	62	40	12	9	-	1	5	1	1	-	3	-	2	2	8	17
Chelsea Kensal Town - - C.		15049	14	7	2	1	-	-	-	-	1	-	-	-	-	-	1	-
Chelsea North WHHHH - - C.		42682	24	23	4	9	-	2	-	-	-	-	-	-	1	1	2	10
Chelsea South HH - - C.		30396	23	10	3	1	-	-	-	-	-	-	1	-	1	1	-	2
May Fair W - - G.J.		80353	6	11	5	-	-	-	-	-	1	-	-	-	-	-	-	6
Belgrave WHH - - C.		52220	26	12	-	3	-	-	-	1	-	-	-	-	-	1	1	5
St. John Westminster HH - - C.		35496	16	11	3	5	-	-	-	-	-	-	-	-	-	1	1	5
St. Margaret Westminster H - - C.		24379	5	10	2	4	-	1	-	-	-	-	-	-	-	-	-	-
St. James Westminster WHH N.R. & G.J.		29241	9	5	3	1	-	1	-	-	-	-	-	-	-	-	-	1
St. Anne Soho HHHHH - - N.R.		18608	13	8	1	1	-	1	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone HHHHH W.M.		26759	7	13	2	5	-	-	-	-	-	-	-	-	-	1	1	11
Cavendish Square HHHH - - W.M.		11321	3	4	-	1	-	-	-	-	1	-	-	-	-	-	-	3
Regent's Park Pancras H - - W.M.		24309	7	10	1	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Marylebone WH G.J. & W.M.		21113	21	8	2	-	-	-	-	-	-	-	-	-	-	-	-	2
St. Mary Marylebone HH G.J. & W.M.		33709	23	11	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone HH - - W.M.		32673	13	12	1	4	-	-	-	-	-	-	-	-	-	-	-	-
St. John Marylebone H - - W.M.		32673	13	12	1	4	-	-	-	-	-	-	-	-	-	-	-	-
Hampstead WHHHH - - N.R. & W.M.		45452	33	30	4	9	-	-	2	3	1	-	2	-	2	2	10	-
Regent's Park Pancras H - - W.M.		39115	15	10	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Tottenham-court WHHHH N.R. & W.M.		27723	8	22	4	6	-	-	-	-	-	-	-	-	-	-	-	9
Gray's Inn Lane HH - - N.R.		30247	17	12	1	3	-	-	-	-	-	-	-	-	-	-	-	3
Somers Town H - - N.R.		34359	8	15	2	5	-	-	-	-	-	-	-	-	-	-	-	-
Camden Town WH - - N.R.		17311	8	15	2	5	-	-	-	-	1	-	1	-	-	-	-	8
Kentish Town W - - N.R.		47487	37	42	8	11	-	5	-	-	1	-	-	-	-	-	-	6
Upper Holloway WHHH - - N.R.		67946	59	45	8	17	-	-	-	1	-	-	-	-	1	2	3	12
Islington South-west H - - N.R.		100976	53	25	9	6	-	-	-	-	-	-	-	-	3	1	1	-
Islington South-east - - N.R.		61825	30	18	8	4	-	-	-	-	-	-	-	-	-	1	4	-
Highbury H - - N.R.		52048	21	22	6	5	-	-	-	-	-	-	1	-	-	1	1	-
Stoke Newington H - - N.R.		22731	16	8	4	2	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill - - E.L.		9277	10	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - - N.R.		37610	25	8	3	1	-	-	-	1	-	-	-	-	-	-	-	-
Hackney WHHHH - - E.L. & N.R.		76911	25	42	0	9	-	2	-	-	-	-	-	-	-	-	-	14
South Hackney - - E.L.		89389	20	13	5	3	-	-	-	-	-	-	1	-	-	2	1	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury - - N.R.		16631	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH - - N.R.		14884	13	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles North H - - N.R.		13337	4	4	1	1	-	-	-	-	1	-	-	-	-	-	-	2
St. Martin-in-the-Fields HH N.R. & C.		17609	6	5	1	1	-	-	-	-	-	-	-	-	-	1	2	1
St. Mary-le-Strand H - - N.R.		7516	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H - - N.R.		8559	2	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Strand Union Workhouse, Edmonton w.		-	-	4	-	3	-	-	-	-	-	-	1	-	-	1	1	5
St. Geo.-the-Martyr HHHHHH N.R.		18371	6	9	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Eastern W - - N.R.		10706	7	4	1	1	-	-	-	1	-	-	1	-	-	-	-	6
Saffron Hill H - - N.R.		6533	5	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - N.R.		17516	11	11	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - - N.R.		19231	73	8	2	3	-	-	-	-	-	-	-	-	1	-	1	-
Pentonville - - N.R.		14773	7	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Goosewell-street - - N.R.		17506	10	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Old-street H - - N.R.		11341	8	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-
City-road HHL - - N.R.		18323	13	7	1	2	-	-	-	1	-	-	-	-	-	-	-	1
Whitecross-street - - N.R.		9217	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury - - N.R.		7433	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - - N.R. & E.L.		11174	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - N.R.		7193	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - N.R.		3353	-	7	-	-	-	-	-	-	-	-	1	-	-	-	-	5
St. Bride W - - N.R.		3399	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking - - N.R.		3386	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - - N.R.		3352	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>o</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. & S. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; B. L. East London; and K. the Kent Company.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
Saturday, 1st November, 1890.

		The DEATHS registered in the Week include																
REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of													Un- certified Causes of 1881.
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Stomach cough.	Un- cured Fever.	Diarrhoea.	Violence.	
EAST DISTRICTS.																		
Shoreditch South	HL*	- - - N.R.	22343	4	8	-	-	-	-	-	-	-	-	-	-	-	1	-
Hoxton New Town	w	- - - N.R.	29937	19	12	-	-	-	-	-	-	-	-	-	-	-	6	-
Hoxton Old Town	-	- - - N.R.	28036	14	11	3	6	-	-	-	-	-	-	-	-	-	2	-
Haggerston	WH	- - - N.R. & E.L.	46275	31	20	3	6	-	-	-	-	-	-	-	-	-	7	-
Bethnal Green North	H	- - - E.L.	51187	20	26	7	4	-	3	-	1	1	1	-	3	1	3	2
Bethnal Green South	-	- - - E.L.	34300	24	12	6	7	-	2	-	-	-	-	-	1	-	-	-
Bethnal Green East	WHL*	- - - E.L.	41406	25	27	7	7	-	-	-	-	-	-	-	1	-	17	-
Spitalfields	-	- - - E.L. & N.R.	23585	17	6	4	1	-	-	-	-	-	-	-	-	-	2	-
Mile End New Town	W	- - - E.L.	15473	20	17	3	3	-	-	-	-	-	-	-	-	-	5	-
Whitechapel Church	H	- - - E.L. & N.R.	17490	13	17	1	2	-	-	-	-	-	-	-	-	-	13	-
Goodman's Fields	-	- - - E.L.	9713	2	2	1	1	-	-	-	-	-	-	-	-	-	1	-
Algate	-	- - - N.R. & E.L.	6102	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. George's, North	-	- - - E.L.	85747	27	27	11	4	-	6	-	-	-	-	-	1	1	-	1
St. John, St. George East	W	- - - E.L.	8410	6	10	2	4	-	1	-	-	-	-	-	-	-	9	-
Shadwell	H	- - - E.L. & N.R.	10385	7	15	9	-	-	-	-	-	-	-	-	-	-	-	-
Ratcliff	-	- - - E.L.	18107	8	7	2	1	-	2	-	-	-	-	-	-	-	-	-
Limehouse	-	- - - E.L.	93041	29	15	4	1	-	4	-	-	-	-	-	-	-	-	-
Mile End Old Town West	H	- - - E.L.	37940	26	12	6	3	-	-	-	-	-	-	-	-	1	-	-
Mile End Old Town East	W & WH	- - - E.L.	67653	40	38	7	11	-	2	1	-	-	-	-	-	4	11	-
Bow	L*	- - - E.L.	37074	22	11	3	3	-	2	-	-	-	-	-	-	-	9	-
Bromley	W & WH	- - - E.L.	64359	45	38	9	10	-	8	-	-	-	-	-	3	8	1	-
Poplar	W & WH	- - - E.L.	85077	35	38	5	3	-	6	-	-	-	-	-	-	-	-	-
SOUTH DISTRICTS.																		
Christchurch Southwark	WH	L. & S.	18663	8	8	3	3	-	-	-	-	-	-	-	-	-	1	2
St. Saviour Southwark	-	S.	14093	3	5	1	-	-	-	-	-	-	-	-	-	-	2	-
Kent-road	-	S. & L.	21331	10	11	1	1	-	-	-	-	-	-	-	-	-	-	-
Borough-road	WH	S. & L.	15933	17	13	3	-	-	1	-	-	-	-	-	1	1	1	8
London-road	HL	L. & S.	21313	12	12	6	1	-	-	-	-	-	-	-	-	-	-	-
Trinity Newington	-	S. & L.	25673	10	9	3	-	-	-	-	-	-	-	-	-	-	2	-
St. Peter Walworth	W	S. & L.	58555	27	19	8	3	-	5	-	-	-	-	-	-	-	-	-
St. Mary Newington	-	L. & S.	21623	18	11	4	2	-	-	-	-	-	-	-	2	-	1	-
St. Olave	WH	- - - S.	11956	3	23	1	3	-	-	-	-	-	-	-	-	2	4	15
Leather Market	-	S. & L.	16300	13	7	2	-	-	1	-	-	-	-	-	-	-	3	-
St. Mary Magdalen	W	- - - S.	16669	5	9	1	2	-	2	-	-	-	-	-	-	-	-	-
St. James Bermondsey	-	- - - S.	54632	33	20	6	5	-	-	-	-	-	-	-	-	-	-	-
Rotherhithe	WH	- - - S. & K.	36024	10	14	5	3	-	1	-	-	-	-	-	1	-	3	-
Waterloo-road 1st	H	- - - L. & S.	15195	10	6	1	5	-	-	-	-	-	-	-	-	1	2	-
Waterloo-road 2nd	H	- - - L. & S.	16361	13	7	3	-	-	-	-	-	-	-	-	-	-	1	-
Lambeth Church 1st	H	- - - L. & S.	19376	11	15	2	3	-	-	-	-	-	-	-	-	4	4	0
Lambeth Church 2nd	W & WH	- - - L. & S.	33852	29	25	2	8	-	1	-	-	-	-	-	2	1	16	-
Kennington 1st	-	S. & L.	45233	31	25	7	5	-	2	-	-	-	-	-	1	1	3	-
Kennington 2nd	-	S. & L.	30432	21	15	3	6	-	-	-	-	-	-	-	-	-	-	-
Brixton	w	- - - L. & S.	62837	35	29	5	3	-	-	-	-	-	-	-	-	-	1	-
Norwood	W	- - - L.	19017	17	4	1	2	-	-	-	-	-	-	-	-	-	-	-
East Battersea	-	- - - S.	54675	49	15	4	2	-	-	-	-	-	-	-	-	1	1	-
West Battersea	W & WH	- - - S.	52587	22	24	8	3	-	-	-	-	-	-	-	1	-	10	-
Clapham	H	- - - S.	36380	21	17	5	3	-	-	-	-	-	-	-	-	-	-	-
Wandsworth	WHL	- - - S.	28004	17	8	4	-	-	2	-	-	-	-	-	-	-	-	-
Putney	-	- - - S.	13235	5	2	-	-	-	-	-	-	-	-	-	-	1	-	-
Streatham	w	- - - L.	25563	19	18	4	7	-	-	-	-	-	-	-	-	2	2	-
Dulwich	-	- - - L. & S.	5590	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell	W & L*	- - - S. & L.	59104	41	58	9	13	-	7	-	-	-	-	-	1	5	1	-
Peckham	W	- - - S., L., & K.	71089	43	39	9	13	-	4	-	-	-	-	-	1	1	1	-
St. George Camberwell	-	- - - L. & S.	50810	47	37	13	9	-	4	1	-	-	-	-	-	1	1	-
St. Paul Deptford	w	- - - K.	76752	64	44	13	13	-	4	1	1	-	-	-	1	-	3	2
St. Nicholas Deptford	-	- - - K.	7901	4	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West	H	- - - K.	21373	11	6	1	-	-	-	-	-	-	-	-	-	-	1	-
Greenwich East	W & WH	- - - K.	24603	20	15	3	6	-	-	-	-	-	-	-	-	2	2	-
Eltham	H	- - - K.	5048	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	H	- - - K.	21559	4	6	1	3	-	-	-	-	-	-	-	-	1	1	-
Lewisham	WH	- - - K.	19565	13	8	1	3	-	-	-	-	-	-	-	-	-	-	-
Sydenham	H	- - - L.	26076	9	8	1	3	-	1	-	-	-	-	-	-	-	-	-
Charlton	HH	- - - K.	10930	5	4	-	1	-	-	-	-	-	-	-	-	-	1	-
Woolwich Dockyard	-	- - - K.	17617	7	11	3	-	-	4	-	-	-	-	-	-	-	-	-
Woolwich Arsenal	HH	- - - K.	19045	17	9	6	1	-	-	-	-	-	-	-	-	-	-	-
Plumstead, West	H	- - - K.	14009	9	1	4	1	-	-	-	-	-	-	-	-	-	1	-
Plumstead, East	W	- - - K.	19241	29	21	8	-	-	1	-	-	-	-	-	1	-	7	-
Hospital Ships and Camp, Dartford	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Winchmore Hill Hospital	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catcrham Asylum	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Darenth Asylum	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
Leavesden Asylum	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Canterbury Asylum	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Cone Hill Asylum	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Hanwell Asylum	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colney Heath Asylum	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City of London Asylum	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 1st November, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Ename- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from								Inquest Cases.	Deaths in Public Institutions.	Unofficial Causes
								Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.			
LONDON—OUTER RING		370,924	950,957	757	423	107	93	-	47	6	14	3	3	9	9	23	33	
80:1	Carshalton <i>wL</i> -	12228	21118	11	5	2	-	-	-	-	2	-	-	-	-	-	-	
2	Epsom (part of) * <i>WwH</i> -	9971	10710	2	3	-	1	-	-	1	-	-	-	-	-	-	-	
37:1	Godstone (part of) * -	2754	1536	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
88:1	Croydon <i>Ww L</i> -	20851	101241	17	25	4	11	-	1	-	-	-	-	2	2	5	5	
2	Mitcham <i>w</i> -	11697	17931	3	4	-	1	-	-	-	-	-	-	-	-	-	-	
89:1	Wimbledon <i>HHH</i> -	3220	15950	6	1	-	1	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	5549	36354	23	10	2	3	-	-	-	-	-	-	-	-	-	-	
3	Esher (part of) * -	6601	9231	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton <i>H</i> -	4373	18539	5	4	2	1	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i> -	2272	21302	14	4	1	1	-	-	-	-	-	-	-	-	-	-	
2	Mortlake -	2941	12331	9	8	2	2	-	4	-	-	-	-	-	-	-	-	
41:1	Bromley (pt. of) * <i>HHHH</i> -	15659	81149	19	14	2	2	-	1	-	-	1	-	-	-	-	-	
2	Chislehurst (pt. of) * <i>WHH</i> -	14307	15844	23	7	3	3	-	-	-	-	-	-	-	-	-	1	
42:1	Bexley <i>H</i> -	13437	24134	12	4	2	-	-	-	-	-	-	-	-	-	-	-	
2	Dartford ( <i>Ww</i> , pts. of) * -	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	2	
124:1	Sunbury <i>w</i> -	11055	11686	3	4	-	1	-	-	-	-	-	-	-	1	2	-	
2	Staines <i>W</i> -	13277	12059	8	3	-	2	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	6	6	2	2	-	-	-	-	-	-	-	-	-	1	
2	Uxbridge -	6178	3225	4	2	-	2	-	-	-	-	-	-	-	-	1	-	
3	Hayes <i>wHL</i> -	14687	11523	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
126:1	Isleworth <i>WHH</i> -	7008	23727	8	16	5	2	-	3	-	1	-	-	-	1	1	4	
2	Twickenham <i>H</i> -	2477	12479	5	6	2	1	-	-	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i> -	4345	27649	18	15	1	2	-	11	-	-	-	-	-	-	1	-	
4	Chiswick -	1340	15975	13	4	1	-	-	-	1	-	-	-	1	-	-	-	
5	Acton <i>wH</i> -	8083	22876	10	13	4	2	-	3	1	1	-	-	-	-	1	-	
127:1	Harrow <i>H</i> -	13809	12796	7	2	-	-	-	-	-	1	-	-	-	-	-	-	
2	Edgware <i>H</i> -	6994	3749	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	31	19	6	4	-	2	-	-	-	-	-	-	-	-	
4	Hendon <i>W</i> -	8382	10484	10	10	2	4	-	1	-	-	-	-	-	-	-	4	
137:1	Bushey -	9331	5521	8	2	2	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W</i> , pt. of) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms -	15579	6391	1	3	1	2	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	5433	10092	3	3	-	1	-	2	-	-	-	-	1	-	-	-	
3	Finchley <i>HL</i> -	4683	17615	11	7	5	-	-	1	-	-	-	-	-	-	-	-	
135:1	Hatfield (part of) * -	3306	588	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i> -	3039	37078	33	18	5	3	-	-	1	-	-	1	-	1	3	-	
2	Tottenham <i>H</i> -	4642	46456	54	29	5	9	-	-	-	-	1	-	1	1	4	3	
3	Edmonton <i>Ww</i> -	7483	25468	16	6	1	1	-	-	-	-	-	-	-	-	-	2	
4	Enfield <i>WH</i> -	12653	19104	21	14	5	2	-	1	-	-	-	2	-	1	1	1	
5	Waltham Abbey -	11017	5365	2	3	-	-	-	3	-	-	-	-	-	-	-	-	
6	Cheshunt <i>H</i> -	8490	7735	5	3	-	-	-	-	-	1	-	-	-	-	-	-	
136:1	Stratford -	532	38606	35	11	6	1	-	-	-	-	-	-	-	-	-	-	
2	West Ham <i>wHHH</i> -	4055	90847	123	69	19	12	-	13	2	3	-	-	1	-	1	1	
3	East Ham <i>w</i> -	2205	10706	19	8	2	-	-	-	-	-	-	-	-	1	1	-	
4	Leyton <i>WwL</i> -	4372	32430	45	23	7	7	-	-	-	1	1	-	-	1	2	8	
5	Walthamstow <i>H</i> -	6520	28364	35	12	2	3	-	-	-	3	-	-	2	-	-	1	
137:1	Chigwell (part of) * <i>H</i> -	11761	9689	8	3	-	2	-	1	-	-	-	-	-	-	-	-	
2	Epping ( <i>W</i> , pt. of) * -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of) * <i>W</i> -	6730	3411	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	5493	7645	3	5	1	-	-	-	-	-	-	-	-	-	-	-	
3	Barking Town -	4127	5201	11	5	3	-	-	-	-	-	-	-	1	-	-	2	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
 20:2, Epsom sub-district, except the parishes of Asenstead and Headley (pop. 1235); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 135:1, the parish of Norman in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 138:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

**TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 1st November, 1890.**

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include															
			From All causes.	From Diseases in Cols. 3 & 4.		Deaths of		Deaths from										Deaths in Public institutions.			
						Infants under 1 Year of Age.	Persons aged 20 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.					
GREATER LONDON	443,334	5,758,500	20·3	2·8	2239	520	541	-	142	22	40	22	20	52	66	423					
INNER LONDON	77,410	4,421,661	21·4	2·7	1816	413	443	-	95	16	26	19	26	43	57	395					
OUTER RING	370,924	1,336,839	10·5	3·2	423	107	93	-	47	6	14	3	3	9	9	28					

NOTE.—The area of Greater London is 443,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

**TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.**

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ALCUTTA	433,219	September 20	-	-	-	-	-	-	-	-	-	-	-
OMRAT	773,196	October 7	396	377	21·1	3	1	?	?	?	126	21	
ADRAS	398,777	September 19	362	433	56·4	-	3	?	?	?	125	119†	
ARIS	2,260,945	October 25	895	914	20·1	-	10	5	23*	8	13	75	
BRUSSELS (with 8 Faubourgs.)	477,288	" 25	218	186	20·3	1	-	-	-	1	5	26	
AMSTERDAM	406,302	" 25	235	162	20·7	-	3	1	3	2	2	-	
ROTTERDAM	203,486	" 25	94	53	17·6	-	-	-	1	-	-	-	
THE HAGUE	158,407	" 25	72	63	22·6	-	6	-	-	1	1	-	
COPENHAGEN	312,387	" 25	194	107	17·9	-	-	4	3	3	1	9	
COPENHAGEN	236,350	" 18	136	79	17·4	-	-	10	3*	1	4	3	
CHRISTIANIA	143,300	" 25	50	40	14·5	-	-	4	6	-	-	4	
S. PETERSBURG	924,466	" 18	-	323	18·2	10	2	12	7	1	7	29	
BERLIN	1,547,533	" 11	867	520	17·5	-	-	4	20	14	4	74	
HAMBURG (State)	91,647	" 18	396	230	20·3	-	-	2	8*	-	5	24	
BRESLEN	269,250	" 18	157	99	19·1	-	1	-	2*	-	2	8	
BRESLAU	324,400	" 25	209	145	23·6	-	1	14	6*	3	2	8	
MUNICH	298,000	" 25	-	148	25·8	-	-	1	9*	-	2	40	
WENNA	822,176	" 25	419	281	17·8	-	3	2	8	-	2	23	
PRAGUE	314,425	" 25	-	119	19·7	-	-	4	4	-	4	-	
JUDA-PRESTH	463,017	" 18	284	205	23·0	-	-	12	15	-	1	27	
BRISTOL	160,092	" 25	43	58	18·8	-	-	-	1	1	1	5	
ROME	417,392	October 4	210	155	19·4	-	-	-	1	1	9†	19	
TURIN (10 days)	314,827	September 20	231	137	15·8	-	-	-	2	-	1	22	
VENICE	156,800	October 11	82	75	25·0	12	4	-	2*	-	2	9	
CAIRO	374,838	" 2	-	-	-	-	-	-	-	-	-	-	
ALEXANDRIA	231,396	" 2	-	-	-	-	-	-	-	-	-	-	
NEW YORK	1,617,997	" 11	-	613	19·4	-	4	2	18	11	11	40	
BROOKLYN	871,852	" 11	-	339	20·1	-	1	6	11	4	5	15	
PHILADELPHIA	1,064,277	" 11	-	-	-	-	-	-	-	-	-	-	
BALTIMORE	500,343	" 11	-	168	17·5	-	-	1	7	1	10	2	
NEW ORLEANS	254,000	September 27	-	101	20·8	-	-	-	-	1	1	5	

\* Including deaths from croup.

† Including 9 deaths from cholera.

‡ Malarial fever.



TABLE 9.

METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 1st NOVEMBER, 1890.

[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										TEMPERATURE.										Wind as deduced from Anemometers.										Rain collected in a Gauge whose receiving surface is 5 inches above the Ground.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		Of the Air.					Difference between the Air Temperature and Dew Point.					Of Radiation.					Of the Water at Deptford.					Oiler's.					Pressures on the Square Foot.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		Phases of the Moon.	Baro- meter.	Mean daily reading.	Mean daily range.	Low- est.	High- est.	Daily Range.	Mean daily value.	Mean daily value.	Great- est.	Least.	High- est.	Low- est.	High- est.	Low- est.	Direction.	A.M.	P.M.	Great- est.	Least.	Mean of 24 hours.	Horizontal Movement of the Air on each Day.	Robinson's.	Depar- ture from Average of 10 Years.	Ozone.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Month and Day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are entered into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: - P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 29.38 in. at the beginning of the week to 29.26 in. by noon on the 26th; increased to 29.45 in. by 9h. P.M. on the 28th; decreased to 29.30 in. by 9h. P.M. on the 31st of October; increased to 29.46 in. by noon on the 1st of November; and was 29.53 in. at the end of the week.

## GENERAL REMARKS.

Fine in early morning; variable with occasional showers of rain and sleet till evening; cloudless at night.

Very fine; cloudless generally. Hoar frost.

Hoar frost in morning; cloudless with fog and dense haze till evening; cloudy afterwards.

Cloudy; occasional rain.

Overcast till afternoon; fine and partially cloudy afterwards.

Variable in early morning; generally overcast afterwards; occasional rain till afternoon.

Overcast in early morning; fine afterwards, with small amounts of cloud till evening; cloudless at night.

Sum 68.5

DATE.	REGISTERED SUNSHINE, in hours.	SUN ABOVE HORIZON, in hours.
OCTOBER.		

SUNDAY 26	2.7	10.0	W. P. generally till evening, with s. N. and s. P. between 4 and 7 P.M. till afternoon; v. P. afterwards.
MONDAY 27	5.8	9.9	
TUESDAY 28	0.0	9.8	V. P.
WEDNESDAY 29	0.9	9.8	W. P.
THURSDAY 30	0.3	9.7	W. P.
FRIDAY 31	0.0	9.7	W. P.
NOVEMBER.			
SATURDAY 1	2.9	9.6	W. P. till afternoon; v. P. afterwards.
Sum	12.6	Sum 68.5	
29	20	30	

OFFICIAL COPY.

WEEKLY RETURN  
OF  
BIRTHS AND DEATHS IN LONDON  
AND IN  
TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,  
AND SOLD BY EYRE AND SPOTTISWOODE, 2, EAST HARDING ST., FETTER LANE, E.C.

No. 45. 1890. VOL. LI.] WEEK ENDING SATURDAY, NOVEMBER 8. [Price 1½d.

General Register Office, Somerset House,  
10th November, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20·8 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.		Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.
Birkenhead	23·3	28·3	24·3	25·3	Liverpool -	22·0	20·6	23·7	24·1
Birmingham	16·7	19·9	18·6	20·2	London -	20·5	19·5	21·4	20·5
Blackburn -	26·6	25·7	27·4	22·8	Manchester -	28·0	29·4	31·6	29·3
Bolton -	24·3	23·0	26·6	28·8	Newcastle-on-Tyne	22·7	25·9	24·0	22·7
Bradford -	22·5	20·8	19·3	21·9	Norwich -	20·2	18·6	24·6	24·1
Brighton -	17·3	14·8	22·3	12·7	Nottingham -	12·3	15·5	16·4	14·7
Bristol -	19·8	15·3	15·3	18·0	Oldham -	22·4	19·9	29·1	22·7
Cardiff -	20·1	29·9	25·8	25·0	Plymouth -	13·9	21·8	25·8	18·5
Derby -	19·1	22·7	14·5	16·0	Portsmouth -	15·7	18·6	24·8	19·3
Halifax -	21·0	22·2	29·2	18·4	Preston -	25·8	26·3	31·7	22·8
Huddersfield	18·3	13·3	19·4	18·3	Salford -	21·5	21·5	24·1	18·5
Hull -	18·0	23·4	17·4	17·8	Sheffield -	24·9	25·2	24·1	20·7
Leeds -	19·1	19·1	20·9	20·8	Sunderland -	25·2	27·5	17·6	18·7
Leicester -	19·9	15·2	19·9	15·9	Wolverhampton -	23·1	15·6	20·0	21·3

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 2·2 in Manchester and in Cardiff, 2·8 in Bradford, and 3·2 in Bolton and in Oldham; from *scarlet fever*, 1·1 in Manchester and in Sheffield, and 2·1 in Liverpool; from *whooping-cough*, 1·1 in Sunderland and 1·6 in Norwich; from "*fever*", 1·8 in Cardiff, 2·0 in Plymouth and in Birkenhead, and 2·7 in Norwich; from *diarrhæa*, 1·1 in Manchester and in Birmingham, and 2·5 in Blackburn. The 73 deaths from *diphtheria* included 50 in London, 5 in Salford, 4 in Liverpool, 3 in Manchester, 3 in Newcastle-upon-Tyne, and 2 in Nottingham. No death from *small-pox* was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2173 BIRTHS and 1735 DEATHS were registered. Allowing for increase of population, the births were 678 below, while the deaths exceeded by 75, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19·5 and 21·4 in the preceding two weeks, was 20·5 last week. During the first six weeks of the

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881: nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



current quarter the death-rate averaged 19·3 per 1000, exceeding by 0·4 the mean rate in the corresponding periods of the ten years 1880-89.

The 1735 deaths included 74 from measles, 23 from scarlet fever, 50 from diphtheria, 20 from whooping-cough, 29 from enteric fever, 23 from diarrhœa and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, cholera, or choleraic diarrhœa; thus, 222 deaths were referred to these diseases, exceeding by 17 the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 8; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had steadily increased in the preceding six weeks from 22 to 95, declined last week to 74, but exceeded the corrected average by 24. The fatal cases of *scarlet fever*, which had numbered 29 and 16 in the preceding two weeks, were 23 last week, being less than half the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2122 scarlet-fever patients at the end of last week, the numbers on the preceding eleven Saturdays having increased from 1427 to 2110; 188 cases were admitted during the week, against 203 and 247 in the preceding two weeks. The deaths from *diphtheria*, which had been 41, 23, and 26 in the preceding three weeks, increased last week to 50, the highest weekly number on record, and double the corrected average. The deaths from *whooping-cough*, which had declined in the preceding three weeks from 30 to 19, were 20 last week, and 6 below the corrected average. The 26 deaths from *diarrhœa* showed a further decrease, but were 5 in excess of the corrected average.

The deaths attributed to *enteric fever*, which had been 15 and 26 in the preceding two weeks, were 29 last week, and exceeded the corrected average by 6. The Metropolitan Asylum Hospitals contained 192 cases of enteric fever, and 2 of typhus, on Saturday last; 24 cases of enteric fever were admitted during the week, against 23 and 25 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had increased in the preceding four weeks from 197 to 450, further rose last week to 465, and exceeded the corrected average by 50.

Different forms of violence caused 65 deaths, concerning all but 2 of which inquests were held. Of these 65 deaths, 10 were cases of suicide, and 2 of manslaughter, while the remaining 53 were attributed to accident or negligence. Nine of these were caused by horses or vehicles in the streets, 12 by burns or scalds, one by poison, 2 by drowning, and 9 (including 8 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 2954 births and 2181 deaths were registered, corresponding to annual rates of 26·8 and 19·8 per 1000 of the estimated population. In the Outer Ring 49 deaths were referred to measles, 17 to diphtheria, 8 to "fever," and 6 to scarlet fever. The deaths from measles included 23 in West Ham and 5 in Brentford sub-districts. The deaths from diphtheria included 13 in Croydon sub-district.

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Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during October will be found on pages 463-464.

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#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·28 ins.; the highest reading was 29·64 ins. on Thursday morning, and the lowest 28·97 ins. on Friday morning. The mean temperature of the *air* was 45°·2, and 0°·3 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average from Monday to Thursday, but showed a slight excess on the other three days of the week. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged

16·4 miles per hour, which was 4·8 above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0·77 of an inch. The duration of registered bright sunshine in the week was 16·4 hours, against 21·3 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of OCTOBER 1890; according to their returns 177,723,730 gallons or 807,480 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 231 gallons (105·0 decalitres), being rather more than a *ton* by weight, to each house, and (assuming 7·8 persons to each house) 29·7 gallons (13·5 decalitres) to each person, against 28·9 gallons during October 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	OCTOBER. 1889.	OCTOBER. 1890.	OCTOBER. 1889.	OCTOBER. 1890.
<b>TOTAL SUPPLY . . .</b>	<b>756,938</b>	<b>767,937</b>	<b>170,493,008</b>	<b>177,723,730</b>
From Thames . . . . .	364,870	370,249	85,267,475	89,591,025
From Lea and from other Sources . . .	392,068	397,689	85,135,533	88,132,705
<b>THAMES.</b>				
Chelsea . . . . .	35,120	35,633	9,518,060	9,788,710
West Middlesex . . . . .	72,430	73,759	15,512,287	15,435,778
Southwark and Vauxhall . . . . .	111,596	112,655	23,863,965	26,051,183
Grand Junction . . . . .	55,748	56,423	17,501,890	18,704,649
Lambeth . . . . .	89,907	91,743	18,871,264	19,610,700
<b>LEA AND OTHER SOURCES.</b>				
New River . . . . .	153,031	153,843	31,324,000	33,352,000
East London . . . . .	166,295	169,233	42,040,766	42,267,485
Kent . . . . .	72,742	74,563	11,770,767	12,513,220

*Note.*—The Return for October 1890, as compared with that for the corresponding month of 1889, shows an increase of 10,999 houses, and of 7,320,722 gallons of water supplied daily.

## ANALYSIS OF METROPOLITAN WATER SUPPLY DURING OCTOBER.

*Water-analysis Laboratory, The Yews, Reigate,  
7th November, 1890.*

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of October.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0·8, Colne Valley 0·9, New River and Tottenham 1·0, East London 1·5, Grand Junction and Lambeth 1·6, Chelsea and West Middlesex 1·7, and Southwark 1·8.

The water taken from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was again of remarkable organic purity, and was, in every case, efficiently filtered before delivery.

Of the water obtained chiefly from the River Lea by the New River and East London Companies, that delivered by the New River Company was, as regards organic purity, equal in quality to the deep well water of the Tottenham Local Board of Health, whilst the East London Company's water was slightly superior to the best of the Thames waters. Both waters were efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of excellent quality for dietetic use. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the New River, Kent, Colne Valley, and Tottenham waters were clear and colourless; and the rest of the waters clear and nearly colourless.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and greenish yellow. The organic carbon and nitrogen had risen considerably, apparently from the solution of decaying vegetable matter."



Dr. Mills, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little "suspended matter."

The Registrar General, &c. &c.

I am, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.									
	Chelsea . . . { October 13th, Cab Rank, Horse Guards, Whitehall. }	14°0	24°50	·077	·021	0	·141	·162	1·9	15°0
	West Middlesex . . { October 13th, Cab Rank, Portland-road. }	14°5	25°74	·081	·020	0	·169	·189	1·9	19°1
	Southwark . . . { October 13th, Cab Rank, Bricklayers Arms, Old Kent-road. }	13°8	27°50	·082	·026	0	·150	·176	1·9	19°4
	Grand Junction . . { October 13th, Cab Rank, Uxbridge-road, near Marble Arch. }	13°0	27°48	·082	·015	0	·171	·186	1·9	19°7
	Lambeth . . . { October 13th, Cab Rank, St. George's- road, Southwark. }	13°9	26°88	·072	·022	0	·183	·205	1·9	20°0
Outer Circle	LEA.									
	New River . . . { October 13th, Cab Rank, Tottenham Court-road. }	13°3	28°00	·044	·013	0	·201	·214	1·7	20°6
	East London . . { October 13th, Fire Brigade Station, Commercial-road, E. }	13°4	28°42	·072	·016	0	·173	·189	2·0	20°3
	DEEP WELLS.									
	Kent . . . { October 13th, Mill Lane, Deptford. }	12°4	42°20	·054	·013	0	·515	·528	2·5	23°7
	Colne Valley . . { October 27th, Bushey. }	—	18°90	·038	·014	0	·381	·395	1·9	8°4
Outer Circle	Tottenham . . { October 24th, Tottenham. }	—	41°14	·042	·015	·050	·0	·056	2·9	22°7
	Corporation of Birming- ham* . . . { October 1st, '98, Pershore-street. }	15°0	26°42	·213	·029	·001	·066	·096	1·7	19°0
Outer Circle	Corporation of Glasgow† Loch Katrine Water. }	11°6	2°5	·132	·026	0	·003	·029	·70	·63
	Column 1.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 13th October, at the Horse Guards cab-rank, had a temperature of 14°·0 C.; 100,000 lbs. of it contained 24°·50 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·077 lb. of carbon and ·021 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·141 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·162 lb. The above weight of water also contained 1·9 lbs. of chlorine; and 18°·0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

CITIES AND BOROUGH.	1.	Registered during the Week ending 8th Nov., 1890.		The Deaths registered in the Week include										TEMPERATURE OF THE AIR.										RAINFALL.		CITIES AND BOROUGH.		
		Births.	Deaths.	Deaths of Persons aged 1 Year or over.		Deaths from						Deaths in Public Institutions.	Unidentified Causes of Death.	From All Causes.	From Diseases in 1890.	Fahrenheit.					Centigrade.						In Inches.	In Cent.
				Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.					Highest.	Lowest.	Mean.	Rainfall.									
Col.	Col.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Col.	Col.		
28 TOWNS.	9,715,559	5194	3881	896	852	-	175	85	73	48	74	86	114	256	711	75	208	29	57.0	30.2	44.3	6.83	1.36	3.45	-	28 TOWNS.		
LONDON.	-	2173	1735	383	386	-	74	23	50	20	29	26	65	148	432	15	205	26	55.9	35.7	45.2	7.33	0.77	1.96	LONDON.			
BRIGHTON.	-	54	30	3	11	-	4	-	-	-	-	1	-	-	1	3	12	25	53.0	37.0	45.3	7.39	1.43	3.63	BRIGHTON.			
PORTSMOUTH.	-	59	53	11	15	-	-	-	-	-	-	1	-	-	-	1	19	17	56.5	36.5	46.3	7.94	0.90	2.29	PORTSMOUTH.			
NORWICH.	-	64	44	10	10	-	1	-	1	3	5	1	2	2	2	1	24	6	-	-	-	-	-	-	NORWICH.			
PLYMOUTH.	-	55	28	3	12	-	-	-	1	-	3	-	-	-	-	-	18	26	57.0	37.0	47.8	8.78	1.71	4.34	PLYMOUTH.			
BRISTOL.	-	136	80	14	23	-	6	3	-	1	-	2	-	-	10	1	18	27	55.5	34.0	45.2	7.33	1.12	2.84	BRISTOL.			
WOLVERHAMPTON.	-	50	34	15	8	-	1	2	-	-	-	-	-	-	7	1	21	25	52.9	30.2	40.9	4.94	2.05	5.21	WOLVERHAMPTON.			
BIRMINGHAM.	-	263	179	51	35	-	1	6	1	5	-	10	6	13	27	4	20	26	-	-	-	-	-	-	BIRMINGHAM.			
LEICESTER.	-	82	47	7	13	-	3	1	-	-	-	3	2	2	10	3	15	24	-	-	-	-	-	-	LEICESTER.			
NOTTINGHAM.	-	94	69	16	17	-	2	1	-	-	-	-	2	5	8	-	16	24	54.5	33.6	43.0	6.11	0.90	2.29	NOTTINGHAM.			
DERBY.	-	40	31	6	7	-	-	-	-	-	-	-	-	-	2	-	15	10	-	-	-	-	-	-	DERBY.			
BIRMINGHAM.	-	56	51	9	10	-	3	-	-	1	1	1	1	1	7	1	25	4	-	-	-	-	-	-	BIRMINGHAM.			
LIVERPOOL.	-	361	294	74	45	-	7	25	4	1	1	2	2	11	3	29	24	53.5	38.7	45.1	7.28	3.34	5.92	-	LIVERPOOL.			
BOLTON.	-	60	64	15	15	-	-	-	-	-	-	-	-	-	5	1	28	5	-	-	-	-	-	-	BOLTON.			
MANCHESTER.	-	262	213	51	42	-	16	8	3	3	2	8	3	10	52	3	29	5	-	-	-	-	-	-	MANCHESTER.			
SALFORD.	-	242	209	114	16	-	1	3	5	-	4	3	1	4	19	3	18	3	-	-	-	-	-	-	SALFORD.			
OLDHAM.	-	75	64	15	11	-	9	-	-	-	-	2	1	1	4	-	15	3	-	-	-	-	-	-	OLDHAM.			
BLACKBURN.	-	68	54	16	14	-	-	-	-	-	-	-	-	-	4	1	22	8	-	-	-	-	-	-	BLACKBURN.			
PRESTON.	-	108	163	46	12	-	1	1	-	-	-	-	-	-	1	1	23	3	-	-	-	-	-	-	PRESTON.			
HUDDERSFIELD.	-	94	83	5	10	-	-	-	-	-	-	-	-	-	4	1	18	3	-	-	-	-	-	-	HUDDERSFIELD.			
HALEFAX.	-	43	29	5	6	-	1	-	-	-	-	-	-	-	1	2	18	4	-	-	-	-	-	-	HALEFAX.			
BRADFORD.	-	118	101	21	19	-	13	1	-	4	-	-	1	2	15	1	21	9	53.8	37.2	43.6	6.44	1.44	3.66	BRADFORD.			
LEEDS.	-	213	145	34	29	-	10	1	1	1	1	1	3	8	11	1	20	8	-	-	-	-	-	-	LEEDS.			
SHEFFIELD.	-	332	229	35	21	-	10	7	-	-	-	2	5	4	5	3	20	7	-	-	-	-	-	-	SHEFFIELD.			
HULL.	-	213	109	73	21	-	-	-	1	1	2	3	3	5	11	3	17	8	-	-	-	-	-	-	HULL.			
SUNDERLAND.	-	136	86	16	11	-	-	2	-	-	-	-	-	-	4	-	18	7	-	-	-	-	-	-	SUNDERLAND.			
NEWCASTLE.	-	162	97	11	14	-	-	-	-	3	1	-	-	3	6	9	22	7	48.0	35.0	40.3	4.61	0.94	2.39	-	NEWCASTLE.		
CARDIFF.	-	101	56	13	9	-	5	1	-	-	4	-	-	1	3	11	-	25	0	-	-	-	-	-	CARDIFF.			
EDINBURGH.	-	113	96	19	16	-	-	1	4	1	2	2	7	9	28	14	18	5	51.3	33.8	43.0	6.11	1.54	3.91	EDINBURGH.			
GLASGOW.	-	313	240	56	50	-	6	8	4	9	2	5	6	5	35	26	23	6	54.9	31.5	42.8	6.0	1.44	3.66	GLASGOW.			
DUBLIN.	-	144	140	28	33	-	2	-	1	-	-	-	-	1	37	11	20	7	56.4	33.5	45.2	7.33	0.92	2.34	DUBLIN.			

\* See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-FIFTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2538	2738	2709	2497	2502	2534	2565	2634	2770	2659	2851.1	2173
Males . . .	1299	1404	1319	1269	1317	1295	1377	1350	1401	1339	1447.0	1110
Females . .	1239	1334	1390	1228	1185	1239	1288	1284	1369	1320	1404.1	1063
<b>TOTAL Deaths</b>	1636	1636	1493	1556	1516	1531	1420	1564	1520	1350	1659.9	1735
Males . . .	802	860	784	805	826	807	746	787	781	676	858.6	882
Females . .	834	776	709	751	690	724	674	777	739	674	801.3	853

\* The numbers in this column are the average weekly numbers in the forty-fifth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

		Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.		
TOTAL Births		-	-	2527	2487	2614	2469	2539	2355	2458	2433	2409	2412	2512	2295	2173
TOTAL Deaths		-	-	1751	1629	1659	1514	1410	1375	1458	1413	1472	1741	1649	1816	1735
Ages at Death	{ 0—20 years	-	-	1019	964	911	796	687	667	740	726	747	870	835	826	785
	{ 20—40 "	-	-	169	148	180	177	183	200	182	170	180	204	200	206	222
	{ 40—60 "	-	-	263	233	265	240	238	214	236	223	240	316	264	336	332
	{ 60—80 "	-	-	246	235	234	245	256	232	256	253	254	281	296	372	318
	{ 80 years & upwards	-	-	54	49	59	56	46	62	44	41	51	70	54	76	78
"	{ Under 1 year	-	-	635	603	525	459	395	376	419	433	436	491	429	413	393
	{ 1—5	-	-	294	292	282	247	217	227	207	193	213	260	306	302	283
	{ 5—20	-	-	90	69	104	90	75	64	104	100	93	119	103	111	103
Deaths from Small-pox		-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
"	" Measles	-	-	80	73	60	56	39	33	22	30	38	59	70	95	74
"	" Scarlet fever	-	-	27	16	24	18	18	14	16	20	20	20	29	16	23
"	" Diphtheria	-	-	15	20	26	16	18	35	38	38	33	41	23	26	50
"	" Whooping-cough	-	-	39	29	39	46	35	33	29	13	19	30	28	19	20
"	" Typhus	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
"	" Enteric fever	-	-	16	11	17	18	18	21	18	24	24	21	15	26	29
"	" Simple Cont'd fever	-	-	1	-	-	1	-	-	2	1	1	2	1	-	-
"	" Diarrhoea and Dysentery	-	-	262	255	180	128	117	94	86	105	94	75	55	43	26
"	" Cholera	-	-	10	12	7	5	5	3	6	3	2	2	-	-	-
"	" all the above- mentioned Diseases	-	-	450	426	353	288	251	238	218	229	246	250	221	225	222
"	" Dis. of Respira- tory System	-	-	203	203	184	180	210	187	222	262	197	340	417	450	465
"	" Phthisis	-	-	129	119	167	139	136	157	130	123	147	204	139	189	153
"	" Dis. of Circula- tory System	-	-	113	116	100	120	114	136	104	100	123	144	151	156	141
Violent Deaths		-	-	75	54	57	54	55	43	52	61	49	52	50	57	65
Inquest Cases		-	-	128	105	105	98	109	83	103	107	113	123	114	119	143
Deaths in Public Institutions		-	-	403	343	364	391	360	360	377	334	346	397	382	395	432
TEMPERATURE OF THE AIR																
Mean		-	-	61.1	59.0	54.4	58.4	59.4	60.4	58.8	56.7	54.3	47.7	48.2	43.6	45.2
Mean of Highest readings		-	-	73.2	69.0	66.5	71.0	73.2	71.7	69.2	66.3	64.1	56.5	54.4	50.4	51.7
Mean of Lowest readings		-	-	54.6	51.8	46.0	43.4	43.2	51.0	50.9	49.3	45.5	39.8	43.2	36.3	39.0
Humidity of the Air		-	-	82	81	80	83	79	74	83	76	82	82	83	85	82
Rain-fall in inches		-	-	0.78	1.00	0.67	0.00	0.00	0.34	0.31	0.00	0.33	0.20	0.45	0.23	0.77
Registered Sunshine (in hours)		-	-	32.6	31.9	36.5	26.8	48.6	50.7	24.9	36.9	36.5	16.0	8.8	12.6	16.4

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. B. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIndustorough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. P. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-FIFTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 45th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 8th November 1890.								CAUSES OF DEATH.	Corrected Averages for the 45th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 8th November 1890.							
		Deaths of Persons of the Ages										Deaths of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
			0-1.	1-5.	5-20.								0-1.	1-5.	5-20.				
ALL CAUSES - -	1659.9	1735	393	283	109	222	332	318	78	Diseases of Organs of Special Sense † - -	3.4	2	-	1	-	-	-	-	1
Small-pox { Vaccinated † - -	2.2	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	120.3	141	2	2	5	25	49	48	10
Unvaccinated - -	2.9	-	-	-	-	-	-	-	-	Croup - - - - -	14.6	11	2	7	2	-	-	-	-
No Statement - -	3.1	-	-	-	-	-	-	-	-	Bronchitis - - -	249.6	266	91	45	3	7	29	73	18
Measles - - - - -	50.3	74	12	55	7	-	-	-	-	Pneumonia - - -	109.8	154	40	40	7	16	28	21	2
Scarlet Fever - -	48.6	23	1	11	10	1	-	-	-	Pleurisy - - - -	5.8	5	-	-	-	3	2	-	-
Typhus - - - - -	1.0	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	34.7	29	4	4	1	2	7	10	1
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-	Dentition † - - -	10.3	13	9	4	-	-	-	-	-
Influenza - - - -	0.3	2	-	-	-	-	1	1	-	Quinsy, Sore Throat †	2.8	3	1	1	-	1	1	2	-
Whooping-cough -	25.5	20	6	13	1	-	-	-	-	Enteritis - - - -	0.1	8	4	-	-	3	2	-	-
Diphtheria - - -	25.4	50	3	25	13	2	2	-	-	Peritonitis - - -	0.7	6	-	1	-	1	3	2	-
Simple Continued and Ill-defined Fever -	1.6	-	-	-	-	-	-	-	-	Diseases of Liver -	23.3	27	5	-	1	4	11	3	3
Enteric Fever - -	23.2	29	-	1	6	17	4	1	-	Other Diseases of Digestive System -	30.6	26	3	5	1	3	6	7	1
Cholera and Chol. Diarr.	0.4	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - - -	2.5	1	-	-	-	-	-	1	-
Diarrhoea, Dysentery	20.6	28	14	7	1	1	1	2	-	Diseases of Urinary System - - - -	30.8	42	1	-	3	9	15	12	2
Remittent Fever † -	0.1	-	-	-	-	-	-	-	-	Diseases of Generative System - - - -	6.0	4	-	-	-	1	2	1	-
Hydrophobia - -	0.1	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.1	4	-	-	-	3	1	-	-
Glanders - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - - -	8.1	8	-	-	3	2	2	1	-
Cowpox and Effects of Vaccination † - -	0.1	-	-	-	-	-	-	-	-	Diseases of Integumentary System - - -	6.3	12	3	-	1	-	4	4	-
Veneral Affections	10.6	3	3	-	-	-	-	-	-	VIOLENT DEATHS. ‡									
Erysipelas - - -	9.6	7	1	-	-	2	1	3	-	(ACCIDENT.)									
Pyæmia and Septicæmia †	3.8	3	-	-	-	2	1	-	-	Fracture and Contusion	17.9	25	-	2	4	6	9	4	-
Puerperal Fever - -	7.2	5	-	-	-	5	-	-	-	Gunshot Wound - -	0.1	-	-	-	-	-	-	-	-
Other Zymotic Diseases †	1.9	-	-	-	-	-	-	-	-	Cut, Stab - - - -	0.2	-	-	-	-	-	-	-	-
Thrush - - - - -	1.4	1	1	-	-	-	-	-	-	Burn and Scald - -	7.3	11	-	4	2	2	4	-	-
Worms and other Parasitical Diseases - -	0.4	-	-	-	-	-	-	-	-	Poison - - - - -	1.0	1	-	-	-	1	-	-	-
Starvation, Want of Breast-milk † - -	1.1	4	4	-	-	-	-	-	-	Drowning - - - -	3.5	2	-	-	-	1	-	1	-
Alcoholism - - -	5.6	12	-	-	-	2	6	4	-	Suffocation - - -	14.7	9	8	-	-	-	1	-	-
Rheumatic Fever, Rheumatism of Heart †	10.1	16	-	3	4	4	4	1	-	Otherwise - - - -	2.4	4	1	-	-	1	-	2	-
Rheumatism † - -	2.8	-	-	-	-	-	-	-	-	(HOMICIDE.)									
Gout - - - - -	3.1	2	-	-	-	-	-	2	-	Murder & Manslaughter	1.5	2	-	-	-	1	1	-	-
Rickets † - - - -	4.2	7	3	4	-	-	-	-	-	(SUICIDE.)									
Cancer - - - - -	58.3	58	-	-	-	6	50	22	-	Gunshot Wound - -	1.3	1	-	-	-	1	-	-	-
Tabs Mesenterica -	27.8	24	17	6	1	-	-	-	-	Cut, Stab - - - -	1.1	-	-	-	-	-	-	-	-
Tubercular Meningitis	23.8	16	4	9	3	-	-	-	-	Poison - - - - -	1.4	2	-	-	-	1	1	-	-
Phthisis - - - -	166.4	133	1	5	12	73	53	10	-	Drowning - - - -	1.0	4	-	-	-	1	3	-	-
Serofula, Tuberculosis	16.0	22	9	8	3	1	1	-	-	Hanging - - - - -	1.5	2	-	-	-	-	-	2	-
Other Constitutional Diseases † - -	10.2	12	-	1	-	4	3	4	-	Otherwise - - - -	0.9	1	-	-	-	-	-	1	-
Premature Birth - -	36.6	51	51	-	-	-	-	-	-	(EXECUTION.)									
Atelectasis † - -	3.8	3	3	-	-	-	-	-	-	Hanging - - - - -	0.1	-	-	-	-	-	-	-	-
Congenital Malformations - -	6.7	5	4	1	-	-	-	-	-	OTHER CAUSES † - -	50.0	51	40	2	-	-	-	3	-
Old Age - - - - -	53.8	48	-	-	-	-	1	15	32										
Apoplexy - - - -	43.4	53	-	-	-	3	18	33	4										
Epilepsy - - - -	8.7	7	1	-	-	-	4	2	-										
Convulsions - - -	45.8	35	30	5	-	-	-	-	-										
Other Diseases of Brain and Nervous System	85.3	81	5	11	10	9	22	20	4										

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.  
† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.  
‡ These cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not ascribed by a registered practitioner, the case is returned under the heading "no statement."  
§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRATION SUB-DISTRICTS.	Name- rated Popu- lation, 1891.	Total Births.	Total Deaths.	The Deaths registered in the Week include													
				Deaths of		Deaths from											
				Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON	3,815,704	2173	1735	303	306	-	74	23	50	20	-	29	-	26	65	145	432
WEST DISTRICTS	664,633	317	276	63	66	-	5	2	4	2	-	5	-	6	11	23	75
NORTH DISTRICTS	905,947	503	375	72	81	-	3	9	20	7	-	6	-	5	9	17	102
CENTRAL DISTRICTS	382,358	122	133	13	31	-	1	-	3	-	-	3	-	2	13	28	46
EAST DISTRICTS	692,738	439	352	89	72	-	32	3	7	2	-	7	-	7	8	36	86
SOUTH DISTRICTS	1,345,143	737	559	148	145	-	33	9	16	9	-	8	-	6	19	41	113
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON	-	-	10	-	1	-	-	-	-	-	-	-	-	-	-	-	10
WEST DISTRICTS.																	
St. Mary Paddington WHH G.J. & W.M.	69834	37	29	7	8	-	-	-	1	-	-	1	-	-	2	4	4
St. John Paddington H - G.J.	37330	5	15	-	3	-	-	-	-	-	-	-	-	-	1	1	8
Kensington Town W - W.M.	120141	45	53	14	17	-	-	-	-	-	-	-	-	-	3	7	16
Brompton H - W.M. & C.	43010	12	9	2	2	-	-	-	-	-	-	-	-	-	-	-	3
St. Peter Hammer Smith - W.M.	7599	6	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammer Smith H W.M. & G.J.	64340	37	23	6	5	-	1	-	1	-	-	2	-	2	-	3	2
Fulham H - W.M. & C.	42900	57	42	12	8	-	3	2	1	1	-	2	-	2	1	2	13
Chelsea Kensal Town - C.	15049	7	7	3	-	-	-	-	-	1	-	-	-	-	-	-	-
Chelsea North WHHHH - C.	42633	18	18	4	5	-	-	-	-	1	-	-	-	1	-	3	5
Chelsea South HHH - C.	30396	23	6	4	-	-	-	-	-	-	-	-	-	-	-	-	8
May Fair W - G.J.	30353	-	8	-	2	-	-	-	-	-	-	-	-	-	-	-	6
Belgrave WHH - C.	59220	26	27	5	7	-	-	-	-	-	-	-	-	1	2	3	10
St. John Westminster HHH - C.	35496	19	17	7	4	-	-	-	-	-	-	-	-	-	2	2	-
St. Margaret Westminster H - C.	24679	3	11	-	2	-	-	-	-	-	-	-	-	-	2	1	4
St. James Westminster WHH N.R. & G.J.	29941	9	4	1	1	-	-	-	-	-	-	-	-	-	-	-	1
St. Anne Soho HHHHH - N.R.	16608	10	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																	
All Souls Marylebone HHHHH W.M.	26759	13	17	1	2	-	-	-	-	2	-	1	-	-	-	1	11
Caendish Square HHHH - W.M.	14334	3	8	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W - G.J. & W.M.	54999	12	8	3	1	-	-	-	-	-	-	-	-	1	1	1	-
St. Mary Marylebone HHHH G.J. & W.M.	21118	24	8	1	1	-	-	-	-	-	-	-	-	-	-	-	2
Christchurch Marylebone HH - W.M.	33790	19	9	2	3	-	-	-	1	-	-	-	-	1	2	-	-
St. John Marylebone H - W.M.	33633	15	7	2	3	-	-	-	1	-	-	-	-	-	-	-	-
Hamstead WsHHHH - N.R. & W.M.	45452	28	29	3	6	-	1	6	2	-	2	-	-	-	-	-	13
Regent's Park Paneras H - W.M.	89115	16	11	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Tottenham-court WHHHH N.R. & W.M.	27723	13	25	3	5	-	-	-	3	-	-	-	-	1	2	-	19
Gray's Inn Lane HHH - N.R.	30247	13	12	2	2	-	-	-	-	-	-	-	-	1	3	3	5
Somers Town H - N.R.	84569	19	14	1	1	-	-	-	-	1	-	1	-	1	1	1	5
Camden Town WH - N.R.	17311	11	9	2	5	-	-	-	-	-	-	-	-	-	-	-	8
Kentish Town W - N.R.	97437	47	53	5	8	-	1	-	-	-	1	-	-	-	-	-	-
Upper Holloway WWHH - N.R.	67914	43	34	7	10	-	-	-	2	1	-	-	-	-	-	1	11
Islington South-west H - N.R.	100074	64	34	10	4	-	-	-	1	1	-	-	-	-	2	-	-
Islington South-east - N.R.	61335	36	22	10	4	-	-	-	-	-	-	-	-	-	-	-	-
Highbury H - N.R.	52043	24	14	4	5	-	-	-	-	-	-	-	-	-	-	-	2
Stoke Newington H - N.R.	22781	12	8	1	3	-	1	1	-	-	-	-	-	-	-	-	-
Stamford Hill - E.L.	9277	14	6	4	2	-	1	-	-	-	-	-	-	-	-	-	-
West Hackney H - N.R.	57610	50	38	5	3	-	1	-	-	-	-	1	-	1	1	3	13
Hackney WsWH - E.L. & N.R.	76911	23	6	3	2	-	-	1	10	1	-	-	-	-	-	-	-
South Hackney - E.L.	39433	24	20	7	2	-	-	1	1	-	-	-	-	-	-	-	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury - N.R.	18631	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH - N.R.	14864	10	12	1	8	-	-	-	-	-	-	-	-	-	3	3	7
St. Giles North H - N.R.	18337	7	6	2	1	-	-	-	-	-	-	-	-	-	-	1	1
St. Martin-in-the-Fields HH N.R. & C.	17508	8	7	-	3	-	-	-	-	-	-	-	-	-	-	-	3
St. Mary-le-Strand H - N.R.	7615	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H - N.R.	8539	1	5	1	1	-	-	-	-	-	-	-	-	-	-	-	3
Strand Union Workhouse, Edmonton W.	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	1	5
St. Geo.-the-Martyr HHHHHH N.R.	18371	0	16	3	1	-	1	-	-	-	-	-	-	-	-	1	6
St. Andrew Eastern W - N.R.	10706	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saffron Hill H - N.R.	6533	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - N.R.	17518	7	7	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - N.R.	19231	9	7	3	1	-	-	-	-	-	-	-	-	-	1	2	-
Pentonville - N.R.	14773	8	5	1	-	-	-	-	-	-	1	-	-	1	-	-	-
Goswell-street - N.R.	17509	7	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Old-street H - N.R.	11341	6	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
City-road HHL - N.R.	16928	23	6	3	1	-	-	-	-	-	-	-	-	-	1	2	-
Whitecross-street - N.R.	9247	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Finbury - N.R.	7443	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham W.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1
St. Botolph H - N.R. & E.L.	11174	5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - N.R.	7193	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - N.R.	5353	-	28	-	3	-	-	-	-	-	-	-	-	-	13	11	19
St. Bride W - N.R.	8896	2	1	-	-	-	-	-	8	-	-	-	-	-	-	-	-
Allhallows Barking - N.R.	13963	2	5	-	2	-	-	-	-	-	-	-	-	-	-	3	-
Broad Street H - N.R.	9632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts.—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L. East London; and K., the Kent Company.

The DEATHS registered in the Week in issue																		
REGISTRATION		Enu-merated Popu-lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of													
SUB-DISTRICTS.					Infants under Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Ethere (or Typhoid) Fever.	Simple non-venereal Fever.	Dysentery.	Violence.	Inquest Cases.	Deaths in Prison Institutions.
EAST DISTRICTS.																		
Shoreditch South	HL*	-	-	N.R.	22343	13	16	2	3	-	-	-	-	-	-	-	-	-
Hoxton New Town	w	-	-	N.R.	29937	13	6	1	9	-	-	-	-	-	-	1	3	
Hoxton Old Town	-	-	-	N.R.	28036	12	6	2	7	-	-	-	-	-	-	9	-	
Haggerston	WH	-	-	N.R. & E.L.	46276	28	20	4	7	-	-	-	-	-	-	1	8	
Bethnal Green North	H	-	-	E.L.	51157	40	14	3	2	-	1	-	-	-	-	-	-	
Bethnal Green South	-	-	-	E.L.	34390	16	10	2	1	-	1	-	-	-	-	1	-	
Bethnal Green East	WHL*	-	-	E.L.	41405	35	24	5	9	-	1	-	1	-	-	2	10	
Hopitalfields	-	-	-	E.L. & N.R.	32585	11	9	5	2	-	-	-	-	-	-	-	-	
Mile End New Town	W	-	-	E.L.	15473	17	14	3	3	-	1	-	-	-	-	2	3	
Whitechapel Church	H	-	-	E.L. & N.R.	17490	11	13	2	3	-	1	-	1	-	-	10	-	
Goodman's Fields	-	-	-	E.L.	9713	2	4	2	-	-	1	-	-	-	-	11	-	
Adgate	-	-	-	N.R. & E.L.	6102	6	3	1	-	-	2	-	-	-	-	-	-	
St. George's, North	-	-	-	E.L.	38747	10	21	9	3	-	1	-	-	-	-	6	-	
St. John, St. George East	W	-	-	E.L.	8410	5	6	-	2	-	-	-	1	-	-	3	3	
Shadwell	H	-	-	E.L. & N.R.	10395	10	15	4	2	-	-	-	-	-	-	1	-	
Canal	-	-	-	E.L.	16107	9	6	2	1	-	1	-	-	-	-	1	-	
Canalhouse	-	-	-	E.L.	32041	19	24	7	3	-	8	-	-	-	-	1	-	
Mile End Old Town West	H	-	-	E.L.	37960	25	15	8	2	-	1	-	1	-	-	2	-	
Mile End Old Town East	W & H	-	-	E.L.	67653	32	23	5	5	-	-	-	1	-	-	1	-	
Row L*	-	-	-	E.L.	37074	25	21	5	3	-	1	-	-	-	-	1	3	
Stromley	W & H	-	-	E.L.	64359	48	42	15	7	-	1	-	-	-	-	6	16	
Poplar	W & H	-	-	E.L.	53077	26	30	7	5	-	7	-	-	-	-	1	3	
SOUTH DISTRICTS.																		
Christchurch Southwark	WH	-	-	L. & S.	13663	9	6	1	4	-	-	-	-	-	-	1	5	
St. Saviour Southwark	-	-	-	S.	14999	6	9	3	1	-	1	-	-	-	-	1	-	
Kent-road	-	-	-	S. & L.	21381	15	9	7	-	-	-	-	1	-	-	-	-	
Borough-road	WH	-	-	S. & L.	15953	10	11	3	-	-	1	-	-	-	-	2	8	
London-road	HL	-	-	L. & S.	21318	8	8	3	-	-	-	-	-	-	-	1	-	
Trinity Newington	-	-	-	S. & L.	25672	9	12	6	3	-	-	-	1	-	-</			



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—  
AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 8th November, 1890.

Regis- tration District and Sub- District Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LONDON—OUTER RING		370,924	950,957	781	416	100	99	-	49	6	17	8	8	5	11	23	24	4
30: 1	Carshalton wL	12228	21118	8	6	4	-	-	-	-	1	-	-	-	-	-	-	-
2	Epsom (part of)* wWwH	9971	10710	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-
37: 1	Godstone (part of)*	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38: 1	Croydon wW L	20851	101241	72	42	2	10	-	-	-	13	-	1	1	-	-	8	-
2	Mitcham w	11697	17932	10	8	3	3	-	-	-	1	-	-	-	-	-	-	-
39: 1	Wimbledon HHH	3220	15950	15	4	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Kingston WHH	8549	36354	20	8	3	1	-	-	-	-	-	-	-	-	-	1	-
3	Esher (part of)*	6601	9221	12	1	-	1	-	-	-	-	-	-	-	-	-	-	-
4	Hampton H	4573	13539	8	7	-	3	-	-	-	-	-	-	-	-	-	-	-
40: 1	Richmond WH	2272	13302	12	11	1	4	-	-	-	-	-	1	-	1	1	3	-
2	Mortlake	2941	12331	8	5	2	-	-	3	-	-	-	-	-	-	-	-	-
41: 1	Bromley (pt. of)* HHHH	15639	31142	30	5	2	1	-	-	-	-	-	-	1	-	-	-	-
2	Chislehurst (pt. of)* WHH	14507	15844	8	5	-	4	-	-	-	-	-	-	-	-	-	2	-
42: 1	Bexley H	19437	24134	13	7	3	2	-	-	-	-	-	-	-	-	-	-	-
2	Dartford (Ww, pts. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124: 1	Sunbury w	11055	11685	6	10	3	2	-	2	-	-	1	-	-	1	1	-	-
2	Staines W-	13277	12089	14	2	1	-	-	-	-	-	-	-	-	-	-	-	-
125: 1	Hillingdon WHH	6029	10802	6	3	-	2	-	-	-	-	-	-	-	-	-	1	-
2	Uxbridge	6178	5225	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
3	Hayes wHL	14587	11523	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126: 1	Isleworth WHH	7008	23727	14	10	2	-	-	1	1	-	-	-	-	-	-	-	3
2	Twickenham H-	2477	12479	8	6	2	-	-	-	-	-	1	-	-	1	2	-	-
3	Brentford HL	4345	27449	16	20	3	5	-	5	1	-	1	1	-	-	1	-	-
4	Chiswick	1340	15975	12	6	1	2	-	2	-	-	-	-	-	-	-	-	-
5	Acton wH-	6083	22376	26	11	5	1	-	2	-	-	-	-	-	-	-	-	-
127: 1	Harrow H-	13809	12796	4	7	1	3	-	1	-	-	-	-	-	-	-	-	-
2	Edgware H	6994	3749	3	1	-	-	-	-	-	-	-	-	-	-	-	1	-
3	Willesden	4383	27453	37	18	4	3	-	-	-	1	-	-	-	-	1	1	-
4	Hendon W	5332	10434	6	8	3	2	-	-	-	-	-	-	-	-	1	1	-
137: 1	Bushy	9331	6621	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Watford (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138: 1	South Mimms	15599	6391	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Barnet	1433	10092	5	5	1	-	-	1	-	-	-	-	-	-	1	-	-
3	Finchley HL	4683	17615	13	1	-	1	-	-	-	-	-	-	-	-	1	-	-
135: 1	Hatfield (part of)*	3306	583	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
136: 1	Hornsey H-	3039	37078	22	16	4	7	-	2	-	-	-	-	-	-	-	-	-
2	Tottenham H	4642	46455	56	17	9	4	-	-	1	-	-	-	-	2	2	-	-
3	Edmonton Ww	7451	23463	26	13	1	8	-	-	-	-	2	-	-	-	2	4	-
4	Enfield WH	12653	19104	13	12	6	-	-	2	-	-	-	-	-	-	-	-	-
5	Waltham Abbey	11017	5364	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
6	Cheesunt H	3490	7735	3	5	2	-	-	-	-	-	-	-	1	-	-	-	-
136: 1	Stratford	892	33506	33	16	2	4	-	-	-	-	-	-	-	1	2	-	1
2	West Ham wHHH	4055	90347	73	73	14	11	-	23	3	-	-	2	1	4	4	-	-
3	East Ham ww	3296	10706	23	11	2	3	-	-	-	-	-	1	-	-	1	-	1
4	Leyton wWL	4372	32430	51	32	7	6	-	3	-	1	1	-	-	1	2	4	1
5	Walthamstow H	6530	28969	38	11	2	5	-	-	-	-	-	1	1	-	-	-	-
137: 1	Chigwell (part of)* H	11761	9649	4	7	2	-	-	2	-	-	-	-	-	-	-	-	1
2	Epping (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138: 1	Romford (part of)* W	4730	3411	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-
2	Ilford	9493	7845	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town	4127	9203	8	3	1	1	-	-	-	-	-	1	-	-	-	-	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
30: 2, Epsom sub-district, except the parishes of Asenstead and Hiedley (pop. 1965); 37: 1, the parishes of Warringtonham and Farley in the London sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1903); 41: 1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1918); 41: 2, Chislehurst sub-district, except the parish of Chislehurst (pop. 247); 135: 1, the parish of Norton in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 138: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 8th November, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
GREATER LONDON	448,334	5,753,500	19.8	2.9	2181	493	495	-	123	29	67	23	37	31	76	456		
INNER LONDON -	77,410	4,421,661	20.5	2.6	1735	393	393	-	74	23	50	20	29	26	65	432		
OUTER RING -	370,924	1,336,333	17.4	3.6	446	100	99	-	40	6	17	8	8	5	11	24		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700,522 square miles, which is equivalent to the area of a circle having a radius of 14,933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA -	433,219	September 20	-	-	-	-	-	-	-	-	-	-	-
BOMBAY -	778,196	October 14	344	401	22.5	-	1	?	?	?	?	124	25†
MADRAS -	398,777	September 26	403	417	54.3	1	-	?	?	?	?	119	115†
PARIS -	2,260,945	November 1	134	872	20.1	-	9	3	25*	9	22	35	
BRUSSELS -	477,288	"	1	248	16.8	-	1	-	-	1	1	13	
(with 8 Faubourgs.)													
AMSTERDAM -	406,302	"	1	-	-	-	-	-	-	-	-	-	-
ROTTERDAM -	208,486	"	1	-	-	-	-	-	-	-	-	-	-
THE HAGUE -	156,497	"	1	-	-	-	-	-	-	-	-	-	-
COPENHAGEN -	312,387	"	1	197	123	-	1	1	3	1	-	3	
STOCKHOLM -	236,350	October 25	127	73	17.2	-	-	5	2*	1	2	6	
CHRISTIANIA -	143,300	November 1	48	55	20.0	-	-	5	5	-	-	8	
ST. PETERSBURG	924,466	October 25	-	370	20.9	8	3	18	7	1	14	25	
BERLIN -	1,547,533	"	18	843	17.4	-	-	2	26	5	4	52	
HAMBURG (State)	191,647	"	25	363	15.2	-	-	5	6*	1	1	20	
DRESDEN -	269,250	"	25	142	74	-	1	-	3*	1	1	5	
BRISLAU -	324,400	November 1	190	165	25.2	-	-	9	9*	1	-	10	
MUNICH -	298,000	"	1	153	26.7	-	-	3	8*	2	-	26	
VIENNA -	822,176	"	1	450	22.3	-	3	3	8	-	-	25	
PRAGUE -	314,425	"	1	139	23.1	1	1	1	2	3	1	2	
UDA-PESTH	463,017	October 25	257	260	29.2	-	1	17	31	-	-	18	
TRIESTE -	160,092	November 1	81	81	26.3	-	-	-	4*	-	2	4	
ROME -	417,392	October 11	180	147	17.7	-	-	-	4	-	11†	14	
TURIN (10 days)	314,827	September 30	-	-	-	-	-	-	-	-	-	-	
VENICE -	156,800	October 18	71	87	28.9	9	1	-	1	-	5	6	
CAIRO -	374,838	"	2	359	28.8	-	-	-	-	3	18	82	
ALEXANDRIA	231,396	"	2	175	15.8	-	-	-	2	1	8	46	
NEW YORK	1,617,997	"	18	613	19.6	-	7	4	15	6	14	41	
BROOKLYN -	871,852	"	13	342	20.3	-	-	7	15	10	5	21	
PHILADELPHIA -	1,064,277	"	11	-	-	-	-	-	-	-	-	-	
BALTIMORE -	500,343	"	18	166	17.3	-	4	-	7	4	10	4	
NEW ORLEANS -	254,000	"	4	123	26.3	-	-	-	5	1	3	8	

\* Including deaths from croup.

† Including 1 death from cholera in Bombay, and 29 in Madras.

‡ Including 8 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 8TH NOVEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.	Month and Day.	Phases of the Moon.	TEMPERATURE.				TEMPERATURE.			TEMPERATURE.				Wind as deduced from Anemometers.				Rain collected in a Gauge whose surface is 5 inches above the level of the Ground.	
			BAROMETER.		Of the Air.		Difference between the Air and Dew Point Temperature.		Degree of Humidity (Sat. = 100).	Of Radiation.		Of the Water at Deptford.		Oster's.		Pressure on the Square Foot.		Robinson's.	
			Mean daily reading.	Mean daily reading.	Low. est.	High. est.	Mean daily value.	Mean daily value.		Lowest in the Shade.	High. est.	Low. est.	General Direction.	P.M.	Great. est.	Least.	Mean hourly obs.	Horizontal Miles. of the Air on each Day.	Depar- ture from the Normal. Average of 10 Years.
NOVEMBER.																			
SUN.	2	Greatest Dec. N.	55.9	40.1	15.8	48.6	+ 1.9	45.3	3.3	6.4	0.0	88	67.3	SSW. & WSW.	3.8	0.0	0.5	429	+ 132
MON.	3	"	29.423	49.7	38.5	11.2	44.2	- 2.2	38.5	5.7	12.5	0.0	80	WNW. & WSW.	3.5	0.0	0.2	336	+ 59
TUES.	4	Last Qr.	29.088	53.3	40.0	13.3	45.9	- 0.1	40.8	5.1	12.2	0.0	83	SW. & WSW.	1.0	0.0	0.0	280	+ 2
WED.	5	Apogee.	29.439	49.1	40.5	8.6	44.3	- 1.3	38.9	5.4	9.0	0.0	81	N. & NNW.	1.6	0.0	0.1	298	+ 20
THURS.	6	"	29.461	51.5	35.7	15.8	43.5	- 1.7	39.3	4.2	9.6	1.0	85	SSW. & S.	7.4	0.0	0.6	321	+ 43
FRI.	7	"	29.063	49.6	41.8	7.8	45.3	+ 0.6	37.6	7.7	12.6	2.4	74	WNW. & W.	8.3	0.0	3.4	802	+ 523
SAT.	8	"	29.383	53.0	36.4	16.6	44.8	+ 0.5	40.0	4.8	10.6	0.0	83	NW. & WNW.	3.1	0.0	0.2	286	+ 7
MEAN?			29.281	51.7	39.0	12.7	45.2	- 0.3	40.1	5.3	10.4	0.5	82	SSW. & WSW.	..	..	..	Sum 2752	+ 806
No. of Col.			3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

## GENERAL REMARKS.

DATE.	NOVEMBER.	REGISTERED SUN ABOVE HORIZON.	ELECTRICITY.	GENERAL REMARKS.
SUNDAY	2	0.4	w. p. generally	Generally overcast till afternoon, with frequent rain; variable afterwards. Lightning and thunder at 2h. 33m. P.M.
MONDAY	3	0.0	w. p.	Fine and partially cloudy in morning; overcast afterwards, with occasional rain.
TUESDAY	4	4.3	w. p. till evening; m. p. at night.	Fine with small amounts of light cloud till night; then overcast.
WEDNESDAY	5	2.2	v. N. and v. p. till evening; w. p. afterwards.	Overcast with rain in early morning; fine and partially cloudy till evening; afterwards overcast.
THURSDAY	6	3.1	w. p. till evening; v. N. afterwards.	Fine with little light cloud till evening; afterwards overcast, with strong wind and frequent rain.
FRIDAY	7	0.0	w. p. till afternoon; s. N. generally till evening; w. p. afterwards.	Overcast; occasional rain. Strong wind.
SATURDAY	8	6.4	m. p. in morning; w. p. till evening; w. p. at night.	Overcast in early morning; fine with little light cloud till evening; variable afterwards.
		Sum 16.4		
		Sum 65.5		

The height of the eastern of the barometer is 139 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1875 for the barometer, and during the twenty years ending 1808 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1876.

The readings of the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Castle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 28 derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The result of all the meteorological observations are to be understood as applying to the evening, viz. from midnight to midnight.

The reading of the barometer decreased from 29.53 in. at the beginning of the week to 29.05 in. by the end of the 2nd; increased to 29.52 in. by noon on the 3rd; decreased to 29.06 in. by 3h. P.M. on the 4th; increased to 29.14 in. by 9h. A.M. on the 5th; decreased to 28.97 in. by 3h. P.M. on the 6th; increased to 29.14 in. by 9h. A.M. on the 7th; decreased to 28.97 in. by 3h. P.M. on the 8th; increased to 29.14 in. by 9h. A.M. on the 9th; decreased to 28.97 in. by 3h. P.M. on the 10th; increased to 29.14 in. by 9h. A.M. on the 11th; decreased to 28.97 in. by 3h. P.M. on the 12th; increased to 29.14 in. by 9h. A.M. on the 13th; decreased to 28.97 in. by 3h. P.M. on the 14th; increased to 29.14 in. by 9h. A.M. on the 15th; decreased to 28.97 in. by 3h. P.M. on the 16th; increased to 29.14 in. by 9h. A.M. on the 17th; decreased to 28.97 in. by 3h. P.M. on the 18th; increased to 29.14 in. by 9h. A.M. on the 19th; decreased to 28.97 in. by 3h. P.M. on the 20th; increased to 29.14 in. by 9h. A.M. on the 21st; decreased to 28.97 in. by 3h. P.M. on the 22nd; increased to 29.14 in. by 9h. A.M. on the 23rd; decreased to 28.97 in. by 3h. P.M. on the 24th; increased to 29.14 in. by 9h. A.M. on the 25th; decreased to 28.97 in. by 3h. P.M. on the 26th; increased to 29.14 in. by 9h. A.M. on the 27th; decreased to 28.97 in. by 3h. P.M. on the 28th; increased to 29.14 in. by 9h. A.M. on the 29th; decreased to 28.97 in. by 3h. P.M. on the 30th; increased to 29.14 in. by 9h. A.M. on the 31st; decreased to 28.97 in. by 3h. P.M. on the 32nd; increased to 29.14 in. by 9h. A.M. on the 33rd; decreased to 28.97 in. by 3h. P.M. on the 34th; increased to 29.14 in. by 9h. A.M. on the 35th; decreased to 28.97 in. by 3h. P.M. on the 36th; increased to 29.14 in. by 9h. A.M. on the 37th; decreased to 28.97 in. by 3h. P.M. on the 38th; increased to 29.14 in. by 9h. A.M. on the 39th; decreased to 28.97 in. by 3h. P.M. on the 40th; increased to 29.14 in. by 9h. A.M. on the 41st; decreased to 28.97 in. by 3h. P.M. on the 42nd; increased to 29.14 in. by 9h. A.M. on the 43rd; decreased to 28.97 in. by 3h. P.M. on the 44th; increased to 29.14 in. by 9h. A.M. on the 45th; decreased to 28.97 in. by 3h. P.M. on the 46th; increased to 29.14 in. by 9h. A.M. on the 47th; decreased to 28.97 in. by 3h. P.M. on the 48th; increased to 29.14 in. by 9h. A.M. on the 49th; decreased to 28.97 in. by 3h. P.M. on the 50th; increased to 29.14 in. by 9h. A.M. on the 51st; decreased to 28.97 in. by 3h. P.M. on the 52nd; increased to 29.14 in. by 9h. A.M. on the 53rd; decreased to 28.97 in. by 3h. P.M. on the 54th; increased to 29.14 in. by 9h. A.M. on the 55th; decreased to 28.97 in. by 3h. P.M. on the 56th; increased to 29.14 in. by 9h. A.M. on the 57th; decreased to 28.97 in. by 3h. P.M. on the 58th; increased to 29.14 in. by 9h. A.M. on the 59th; decreased to 28.97 in. by 3h. P.M. on the 60th; increased to 29.14 in. by 9h. A.M. on the 61st; decreased to 28.97 in. by 3h. P.M. on the 62nd; increased to 29.14 in. by 9h. A.M. on the 63rd; decreased to 28.97 in. by 3h. P.M. on the 64th; increased to 29.14 in. by 9h. A.M. on the 65th; decreased to 28.97 in. by 3h. P.M. on the 66th; increased to 29.14 in. by 9h. A.M. on the 67th; decreased to 28.97 in. by 3h. P.M. on the 68th; increased to 29.14 in. by 9h. A.M. on the 69th; decreased to 28.97 in. by 3h. P.M. on the 70th; increased to 29.14 in. by 9h. A.M. on the 71st; decreased to 28.97 in. by 3h. P.M. on the 72nd; increased to 29.14 in. by 9h. A.M. on the 73rd; decreased to 28.97 in. by 3h. P.M. on the 74th; increased to 29.14 in. by 9h. A.M. on the 75th; decreased to 28.97 in. by 3h. P.M. on the 76th; increased to 29.14 in. by 9h. A.M. on the 77th; decreased to 28.97 in. by 3h. P.M. on the 78th; increased to 29.14 in. by 9h. A.M. on the 79th; decreased to 28.97 in. by 3h. P.M. on the 80th; increased to 29.14 in. by 9h. A.M. on the 81st; decreased to 28.97 in. by 3h. P.M. on the 82nd; increased to 29.14 in. by 9h. A.M. on the 83rd; decreased to 28.97 in. by 3h. P.M. on the 84th; increased to 29.14 in. by 9h. A.M. on the 85th; decreased to 28.97 in. by 3h. P.M. on the 86th; increased to 29.14 in. by 9h. A.M. on the 87th; decreased to 28.97 in. by 3h. P.M. on the 88th; increased to 29.14 in. by 9h. A.M. on the 89th; decreased to 28.97 in. by 3h. P.M. on the 90th; increased to 29.14 in. by 9h. A.M. on the 91st; decreased to 28.97 in. by 3h. P.M. on the 92nd; increased to 29.14 in. by 9h. A.M. on the 93rd; decreased to 28.97 in. by 3h. P.M. on the 94th; increased to 29.14 in. by 9h. A.M. on the 95th; decreased to 28.97 in. by 3h. P.M. on the 96th; increased to 29.14 in. by 9h. A.M. on the 97th; decreased to 28.97 in. by 3h. P.M. on the 98th; increased to 29.14 in. by 9h. A.M. on the 99th; decreased to 28.97 in. by 3h. P.M. on the 100th; increased to 29.14 in. by 9h. A.M. on the 101st; decreased to 28.97 in. by 3h. P.M. on the 102nd; increased to 29.14 in. by 9h. A.M. on the 103rd; decreased to 28.97 in. by 3h. P.M. on the 104th; increased to 29.14 in. by 9h. A.M. on the 105th; decreased to 28.97 in. by 3h. P.M. on the 106th; increased to 29.14 in. by 9h. A.M. on the 107th; decreased to 28.97 in. by 3h. P.M. on the 108th; increased to 29.14 in. by 9h. A.M. on the 109th; decreased to 28.97 in. by 3h. P.M. on the 110th; increased to 29.14 in. by 9h. A.M. on the 111th; decreased to 28.97 in. by 3h. P.M. on the 112th; increased to 29.14 in. by 9h. A.M. on the 113th; decreased to 28.97 in. by 3h. P.M. on the 114th; increased to 29.14 in. by 9h. A.M. on the 115th; decreased to 28.97 in. by 3h. P.M. on the 116th; increased to 29.14 in. by 9h. A.M. on the 117th; decreased to 28.97 in. by 3h. P.M. on the 118th; increased to 29.14 in. by 9h. A.M. on the 119th; decreased to 28.97 in. by 3h. P.M. on the 120th; increased to 29.14 in. by 9h. A.M. on the 121st; decreased to 28.97 in. by 3h. P.M. on the 122nd; increased to 29.14 in. by 9h. A.M. on the 123rd; decreased to 28.97 in. by 3h. P.M. on the 124th; increased to 29.14 in. by 9h. A.M. on the 125th; decreased to 28.97 in. by 3h. P.M. on the 126th; increased to 29.14 in. by 9h. A.M. on the 127th; decreased to 28.97 in. by 3h. P.M. on the 128th; increased to 29.14 in. by 9h. A.M. on the 129th; decreased to 28.97 in. by 3h. P.M. on the 130th; increased to 29.14 in. by 9h. A.M. on the 131st; decreased to 28.97 in. by 3h. P.M. on the 132nd; increased to 29.14 in. by 9h. A.M. on the 133rd; decreased to 28.97 in. by 3h. P.M. on the 134th; increased to 29.14 in. by 9h. A.M. on the 135th; decreased to 28.97 in. by 3h. P.M. on the 136th; increased to 29.14 in. by 9h. A.M. on the 137th; decreased to 28.97 in. by 3h. P.M. on the 138th; increased to 29.14 in. by 9h. A.M. on the 139th; decreased to 28.97 in. by 3h. P.M. on the 140th; increased to 29.14 in. by 9h. A.M. on the 141st; decreased to 28.97 in. by 3h. P.M. on the 142nd; increased to 29.14 in. by 9h. A.M. on the 143rd; decreased to 28.97 in. by 3h. P.M. on the 144th; increased to 29.14 in. by 9h. A.M. on the 145th; decreased to 28.97 in. by 3h. P.M. on the 146th; increased to 29.14 in. by 9h. A.M. on the 147th; decreased to 28.97 in. by 3h. P.M. on the 148th; increased to 29.14 in. by 9h. A.M. on the 149th; decreased to 28.97 in. by 3h. P.M. on the 150th; increased to 29.14 in. by 9h. A.M. on the 151st; decreased to 28.97 in. by 3h. P.M. on the 152nd; increased to 29.14 in. by 9h. A.M. on the 153rd; decreased to 28.97 in. by 3h. P.M. on the 154th; increased to 29.14 in. by 9h. A.M. on the 155th; decreased to 28.97 in. by 3h. P.M. on the 156th; increased to 29.14 in. by 9h. A.M. on the 157th; decreased to 28.97 in. by 3h. P.M. on the 158th; increased to 29.14 in. by 9h. A.M. on the 159th; decreased to 28.97 in. by 3h. P.M. on the 160th; increased to 29.14 in. by 9h. A.M. on the 161st; decreased to 28.97 in. by 3h. P.M. on the 162nd; increased to 29.14 in. by 9h. A.M. on the 163rd; decreased to 28.97 in. by 3h. P.M. on the 164th; increased to 29.14 in. by 9h. A.M. on the 165th; decreased to 28.97 in. by 3h. P.M. on the 166th; increased to 29.14 in. by 9h. A.M. on the 167th; decreased to 28.97 in. by 3h. P.M. on the 168th; increased to 29.14 in. by 9h. A.M. on the 169th; decreased to 28.97 in. by 3h. P.M. on the 170th; increased to 29.14 in. by 9h. A.M. on the 171st; decreased to 28.97 in. by 3h. P.M. on the 172nd; increased to 29.14 in. by 9h. A.M. on the 173rd; decreased to 28.97 in. by 3h. P.M. on the 174th; increased to 29.14 in. by 9h. A.M. on the 175th; decreased to 28.97 in. by 3h. P.M. on the 176th; increased to 29.14 in. by 9h. A.M. on the 177th; decreased to 28.97 in. by 3h. P.M. on the 178th; increased to 29.14 in. by 9h. A.M. on the 179th; decreased to 28.97 in. by 3h. P.M. on the 180th; increased to 29.14 in. by 9h. A.M. on the 181st; decreased to 28.97 in. by 3h. P.M. on the 182nd; increased to 29.14 in. by 9h. A.M. on the 183rd; decreased to 28.97 in. by 3h. P.M. on the 184th; increased to 29.14 in. by 9h. A.M. on the 185th; decreased to 28.97 in. by 3h. P.M. on the 186th; increased to 29.14 in. by 9h. A.M. on the 187th; decreased to 28.97 in. by 3h. P.M. on the 188th; increased to 29.14 in. by 9h. A.M. on the 189th; decreased to 28.97 in. by 3h. P.M. on the 190th; increased to 29.14 in. by 9h. A.M. on the 191st; decreased to 28.97 in. by 3h. P.M. on the 192nd; increased to 29.14 in. by 9h. A.M. on the 193rd; decreased to 28.97 in. by 3h. P.M. on the 194th; increased to 29.14 in. by 9h. A.M. on the 195th; decreased to 28.97 in. by 3h. P.M. on the 196th; increased to 29.14 in. by 9h. A.M. on the 197th; decreased to 28.97 in. by 3h. P.M. on the 198th; increased to 29.14 in. by 9h. A.M. on the 199th; decreased to 28.97 in. by 3h. P.M. on the 200th; increased to 29.14 in. by 9h. A.M. on the 201st; decreased to 28.97 in. by 3h. P.M. on the 202nd; increased to 29.14 in. by 9h. A.M. on the 203rd; decreased to 28.97 in. by 3h. P.M. on the 204th; increased to 29.14 in. by 9h. A.M. on the 205th; decreased to 28.97 in. by 3h. P.M. on the 206th; increased to 29.14 in. by 9h. A.M. on the 207th; decreased to 28.97 in. by 3h. P.M. on the 208th; increased to 29.14 in. by 9h. A.M. on the 209th; decreased to 28.97 in. by 3h. P.M. on the 210th; increased to 29.14 in. by 9h. A.M. on the 211th; decreased to 28.97 in. by 3h. P.M. on the 212th; increased to 29.14 in. by 9h. A.M. on the 213th; decreased to 28.97 in. by 3h. P.M. on the 214th; increased to 29.14 in. by 9h. A.M. on the 215th; decreased to 28.97 in. by 3h. P.M. on the 216th; increased to 29.14 in. by 9h. A.M. on the 217th; decreased to 28.97 in. by 3h. P.M. on the 218th; increased to 29.14 in. by 9h. A.M. on the 219th; decreased to 28.97 in. by 3h. P.M. on the 220th; increased to 29.14 in. by 9h. A.M. on the 221st; decreased to 28.97 in. by 3h. P.M. on the 222nd; increased to 29.14 in. by 9h. A.M. on the 223rd; decreased to 28.97 in. by 3h. P.M. on the 224th; increased to 29.14 in. by 9h. A.M. on the 225th; decreased to 28.97 in. by 3h. P.M. on the 226th; increased to 29.14 in. by 9h. A.M. on the 227th; decreased to 28.97 in. by 3h. P.M. on the 228th; increased to 29.14 in. by 9h. A.M. on the 229th; decreased to 28.97 in. by 3h. P.M. on the 230th; increased to 29.14 in. by 9h. A.M. on the 231st; decreased to 28.97 in. by 3h. P.M. on the 232nd; increased to 29.14 in. by 9h. A.M. on the 233rd; decreased to 28.97 in. by 3h. P.M. on the 234th; increased to 29.14 in. by 9h. A.M. on the 235th; decreased to 28.97 in. by 3h. P.M. on the 236th; increased to 29.14 in. by 9h. A.M. on the 237th; decreased to 28.97 in. by 3h. P.M. on the 238th; increased to 29.14 in. by 9h. A.M. on the 239th; decreased to 28.97 in. by 3h. P.M. on the 240th; increased to 29.14 in. by 9h. A.M. on the 241st; decreased to 28.97 in. by 3h. P.M. on the 242nd; increased to 29.14 in. by 9h. A.M. on the 243rd; decreased to 28.97 in. by 3h. P.M. on the 244th; increased to 29.14 in. by 9h. A.M. on the 245th; decreased to 28.97 in. by 3h. P.M. on the 246th; increased to 29.14 in. by 9h. A.M. on the 247th; decreased to 28.97 in. by 3h. P.M. on the 248th; increased to 29.14 in. by 9h. A.M. on the 249th; decreased to 28.97 in. by 3h. P.M. on the 250th; increased to 29.14 in. by 9h. A.M. on the 251st; decreased to 28.97 in. by 3h. P.M. on the 252nd; increased to 29.14 in. by 9h. A.M. on the 253rd; decreased to 28.97 in. by 3h. P.M. on the 254th; increased to 29.14 in. by 9h. A.M. on the 255th; decreased to 28.97 in. by 3h. P.M. on the 256th; increased to 29.14 in. by 9h. A.M. on the 257th; decreased to 28.97 in. by 3h. P.M. on the 258th; increased to 29.14 in. by 9h. A.M. on the 259th; decreased to 28.97 in. by 3h. P.M. on the 260th; increased to 29.14 in. by 9h. A.M. on the 261st; decreased to 28.97 in. by 3h. P.M. on the 262nd; increased to 29.14 in. by 9h. A.M. on the 263rd; decreased to 28.97 in. by 3h. P.M. on the 264th; increased to 29.14 in. by 9h. A.M. on the 265th; decreased to 28.97 in. by 3h. P.M. on the 266th; increased to 29.14 in. by 9h. A.M. on the 267th; decreased to 28.97 in. by 3h. P.M. on the 268th; increased to 29.14 in. by 9h. A.M. on the 269th; decreased to 28.97 in. by 3h. P.M. on the 270th; increased to 29.14 in. by 9h. A.M. on the 271st; decreased to 28.97 in. by 3h. P.M. on the 272nd; increased to 29.14 in. by 9h. A.M. on the 273rd; decreased to 28.97 in. by 3h. P.M. on the 274th; increased to 29.14 in. by 9h. A.M. on the 275th; decreased to 28.97 in. by 3h. P.M. on the 276th; increased to 29.14 in. by 9h. A.M. on the 277th; decreased to 28.97 in. by 3h. P.M. on the 278th; increased to 29.14 in. by 9h. A.M. on the 279th; decreased to 28.97 in. by 3h. P.M. on the 280th; increased to 29.14 in. by 9h. A.M. on the 281st; decreased to 28.97 in. by 3h. P.M. on the 282nd; increased to 29.14 in. by 9h. A.M. on the 283rd; decreased to 28.97 in. by 3h. P.M. on the 284th; increased to 29.14 in. by 9h. A.M. on the 285th; decreased to 28.97 in. by 3h. P.M. on the 286th; increased to 29.14 in. by 9h. A.M. on the 287th; decreased to 28.97 in. by 3h. P.M. on the 288th; increased to 29.14 in. by 9h. A.M. on the 289th; decreased to 28.97 in. by 3h. P.M. on the 290th; increased to 29.14 in. by 9h. A.M. on the 291st; decreased to 28.97 in. by 3h. P.M. on the 292nd; increased to 29.14 in. by 9h. A.M. on the 293rd; decreased to 28.97 in. by 3h. P.M. on the 294th; increased to 29.14 in. by 9h. A.M. on the 295th; decreased to 28.97 in. by 3h. P.M. on the 296th; increased to 29.14 in. by 9h. A.M. on the 297th; decreased to 28.97 in. by 3h. P.M. on the 298th; increased to 29.14 in. by 9h. A.M. on the 299th; decreased to 28.97 in. by 3h. P.M. on the 300th; increased to 29.14 in. by 9h. A.M. on the 301st; decreased to 28.97 in. by 3h. P.M. on the 302nd; increased to 29.14 in. by 9h. A.M. on the 303rd; decreased to 28.97 in. by 3h. P.M. on the 304th; increased to 29.14 in. by 9h. A.M. on the 305th; decreased to 28.97 in. by 3h. P.M. on the 306th; increased to 29.14 in. by 9h. A.M. on the 307th; decreased to 28.97 in. by 3h. P.M. on the 308th; increased to 29.14 in. by 9h. A.M. on the 309th; decreased to 28.97 in. by 3h. P.M. on the 310th; increased to 29.14 in. by 9h. A.M. on the 311th; decreased to 28.97 in. by 3h. P.M. on the 312th; increased to 29.14 in. by 9h. A.M. on the 313th; decreased to 28.97 in. by 3h. P.M. on the 314th; increased to 29.14 in. by 9h. A.M. on the 315th; decreased to 28.97 in. by 3h. P.M. on the 316th; increased to 29.14 in. by 9h. A.M. on the 317th; decreased to 28.97 in. by 3h. P.M. on the 318th; increased to 29.14 in. by 9h. A.M. on the 319th; decreased to 28.97 in. by 3h. P.M. on the 320th; increased to 29.14 in. by 9h. A.M. on the 321st; decreased to 28.97 in. by 3h. P.M. on the 322nd; increased to 29.14 in. by 9h. A.M. on the 323rd; decreased to 28.97 in. by 3h. P.M. on the 324th; increased to 29.14 in. by 9h. A.M. on the 325th; decreased to 28.97 in. by 3h. P.M. on the 326th; increased to 29.14 in. by 9h. A.M. on the 327th; decreased to 28.97 in. by 3h. P.M. on the 328th; increased to 29.14 in. by 9h. A.M. on the 329th; decreased to 28.97 in. by 3h. P.M. on the 330th; increased to 29.14 in. by 9h. A.M. on the 331st; decreased to 28.97 in. by 3h. P.M. on the 332nd; increased to 29.14 in. by 9h. A.M. on the 333rd; decreased to 28.97 in. by 3h. P.M. on the 334th; increased to 29.14 in. by 9h. A.M. on the 335th; decreased to 28.97 in. by 3h. P.M. on the 336th; increased to 29.14 in. by 9h. A.M. on the 337th; decreased to 28.97 in. by 3h. P.M. on the 338th; increased to 29.14 in. by 9h

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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*General Register Office, Somerset House,  
17th November, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21·1 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.		Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.
Birkenhead	28·3	24·3	25·3	21·3	Liverpool -	20·6	23·7	24·1	21·8
Birmingham	19·9	18·6	20·2	19·4	London -	19·5	21·4	20·5	20·2
Blackburn -	25·7	27·9	22·8	18·1	Manchester -	29·4	31·6	29·3	31·1
Bolton -	23·0	26·6	28·8	26·1	Newcastle-on-Tyne	25·9	24·0	22·7	25·9
Bradford -	20·8	19·3	21·9	21·9	Norwich -	18·6	24·6	24·1	20·8
Brighton -	14·8	22·3	12·7	16·9	Nottingham -	15·5	16·4	14·7	15·3
Bristol -	15·3	15·3	18·0	18·6	Oldham -	19·9	29·1	22·7	30·6
Cardiff -	29·9	25·8	25·0	20·9	Plymouth -	21·8	25·8	18·5	22·5
Derby -	22·7	14·5	16·0	15·0	Portsmouth -	18·6	24·8	19·3	21·2
Halifax -	22·2	29·2	18·4	21·6	Preston -	26·3	31·7	22·8	24·8
Huddersfield	13·3	19·4	18·3	17·1	Salford -	21·5	24·1	18·5	23·7
Hull -	23·4	17·4	17·8	18·5	Sheffield -	25·2	24·1	20·7	22·2
Leeds -	19·1	20·9	20·8	22·9	Sunderland -	27·5	17·6	18·7	21·8
Leicester -	15·2	19·9	15·9	20·9	Wolverhampton -	15·6	20·0	21·3	19·4

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·3 in Cardiff, 1·4 in Leeds, 2·5 in Brighton and in Oldham, 2·6 in Bradford, 2·7 in Bolton, 3·0 in Birkenhead, and 3·2 in Manchester; from *scarlet fever*, 1·0 in Manchester, 1·1 each in Salford, Oldham, and Sunderland, and 2·0 in Liverpool; from *whooping-cough*, 1·1 in Leeds, 1·3 in Halifax and in Cardiff, 1·5 in Birkenhead, and 2·2 in Norwich; from "*fever*", 1·0 in Preston; and from *diarrhæa*, 2·0 in Preston. The 56 deaths from *diphtheria* included 29 in London, 6 in Sheffield, 4 in Salford, 3 in Manchester, and 2 each in Birmingham, Derby, Leeds, and Newcastle-upon-Tyne. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2321 BIRTHS and 1709 DEATHS were registered. Allowing for increase of population, the births were 488 below, while the deaths exceeded by 37, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21·4 and 20·5 in the preceding two weeks, further declined last week to 20·2. During the first seven weeks of the current quarter the death-rate averaged 19·4 per 1000, exceeding by 0·4 per 1000 the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881: nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1709 deaths included 63 from measles, 15 from scarlet fever, 29 from diphtheria, 25 from whooping-cough, one from typhus, 24 from enteric fever, 19 from diarrhœa and dysentery, one from choleraic diarrhœa, and not one from small-pox or from ill-defined forms of continued fever; thus, 177 deaths were referred to these diseases, being 32 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 7; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 95 and 74 in the preceding two weeks, further declined last week to 63, but exceeded the corrected average by 11. The fatal cases of *scarlet fever*, which had been 16 and 23 in the preceding two weeks, declined again last week to 15, being but one-third of the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2117 scarlet-fever patients at the end of last week, the numbers on the preceding twelve Saturdays having increased from 1427 to 2122; 186 cases were admitted during the week, against 247 and 188 in the preceding two weeks. The deaths from *diphtheria*, which in the preceding week had numbered 50, and exceeded the number recorded in any previous week, declined last week to 29, and were 2 above the corrected average. The deaths from *whooping-cough*, which had been 19 and 20 in the preceding two weeks, further increased last week to 25, but were 7 below the corrected average. The 19 deaths from *diarrhœa* and *dysentery* showed a further decline, but exceeded the corrected average by one.

The deaths attributed to *enteric fever*, which had been 26 and 29 in the preceding two weeks, numbered 24 last week, being 2 below the corrected average. The Metropolitan Asylum Hospitals contained 194 cases of enteric fever, and one of typhus, on Saturday last; 20 cases of enteric fever were admitted during the week, against 25 and 24 in the preceding two weeks.

Six deaths were primarily attributed to *influenza*, the number in each of the preceding two weeks having been 2.

The deaths referred to diseases of the respiratory organs, which had increased in the preceding five weeks from 197 to 465, were again 465 last week, and exceeded the corrected average by 48.

The age of a widow, whose death from bronchitis occurred in Kensington Infirmary, was stated to be 100 years.

Different forms of violence caused 55 deaths, concerning all of which inquests were held. Of these 55 deaths, 5 were cases of suicide, while the remaining 50 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 8 by burns or scalds, 4 by drowning, and 19 (including 16 of infants aged under one year) by suffocation. The death of an infant was referred, after inquest, to the effects of chloroform "administered to reduce a nœvus."

#### GREATER LONDON.

In Greater London 3038 births and 2154 deaths were registered, corresponding to annual rates of 27·5 and 19·5 per 1000 of the estimated population. In the Outer Ring 40 deaths were referred to measles, 23 to diphtheria, 9 to diarrhœa, and 6 to "fever." Of the deaths from measles, 16 occurred in West Ham, 5 in Brentford, 4 in Bromley, and 3 in Mortlake sub-districts. Of the deaths from diphtheria, 14 occurred in Croydon sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·65 ins.; the lowest reading was 29·14 ins. at the beginning of the week, and the highest 30·13 ins. at the end of the week. The mean temperature of the *air* was 44°·5, and 1°·8 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday and Monday, corresponded with the average on Tuesday, and showed an excess on each of the other four days of the week. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 9·4 miles per hour, which was 2·5 miles below the average in the corresponding weeks of 16 years. *Rain* fell on six days of the week, to the aggregate amount of 0·28 of an inch. The duration of registered bright sunshine in the week was 16·2 hours, against 20·3 hours at Glynde Place, Lewes.

TABLE 2.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 15th November 1890.

CITIES AND BOROUGHES.	POPULATION estimated to the middle of the Year 1890.*	Registered during the Week ending 15th Nov., 1890.		Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Deaths from										TEMPERATURE OF THE AIR.										RAINFALL.		CITIES AND BOROUGHES.
		BIRTHS.	DEATHS.			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Dysentery.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Week's Deaths in Causes.	From Diseases in Colic, &c.	Fahrenheit.				In Inches.	In Centi- froids.				
																			Highest.	Lowest.	Mean.	Centigrade.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.			
28 TOWNS	9,715,559	5343	3929	917	905	-	156	66	56	71	58	64	121	262	699	100	21.1	2.5	58.0	29.0	42.5	5.83	0.68	1.73	- 28 TOWNS.			
LONDON	4,421,661	2321	1709	392	416	-	63	15	29	25	25	19	55	131	409	22	20.2	2.1	56.6	33.0	44.5	6.94	0.28	0.71	LONDON.			
BRIGHTON	123,680	52	40	6	10	-	6	-	-	-	-	1	1	1	9	2	16.9	3.0	56.0	36.5	45.1	7.28	0.85	2.16	BRIGHTON.			
PORTSMOUTH	142,932	87	58	11	11	-	-	1	1	-	2	2	3	3	8	2	21.2	1.5	56.5	32.0	43.7	6.50	0.83	2.11	PORTSMOUTH.			
NORWICH	96,352	56	38	8	14	-	-	-	-	4	1	-	1	2	3	1	20.8	3.3	-	-	-	-	-	-	NORWICH.			
PLYMOUTH	78,780	48	34	10	12	-	1	-	-	-	-	1	-	2	4	11	18.6	1.3	57.0	32.5	44.5	6.94	1.24	3.15	PLYMOUTH.			
BRISTOL	292,248	139	83	13	29	-	2	-	1	-	-	2	1	2	3	1	28.0	0.6	58.0	33.4	44.2	6.78	0.74	1.83	BRISTOL.			
WOLVERHAMPTON	83,406	49	31	6	10	-	-	-	-	-	-	1	1	2	3	-	19.4	0.6	54.9	30.2	40.5	4.72	0.70	1.78	WOLVERHAMPTON.			
BIRMINGHAM	461,803	277	172	44	41	-	3	1	2	8	2	3	4	10	33	9	19.4	2.1	-	-	-	-	-	-	BIRMINGHAM.			
LEICESTER	164,344	69	62	14	15	-	2	-	1	1	1	-	3	4	5	1	20.9	1.7	-	-	-	-	-	-	LEICESTER.			
NOTTINGHAM	244,909	105	72	17	21	-	1	-	-	2	2	-	6	12	1	15.3	0.6	56.8	31.6	41.7	5.39	0.47	1.19	NOTTINGHAM.				
DERBY	100,871	50	29	9	5	-	-	1	2	1	1	-	1	4	5	-	15.0	2.6	-	-	-	-	-	-	DERBY.			
BIRMINGHAM	105,049	75	43	13	9	-	6	-	-	3	1	-	2	2	1	21.3	5.0	-	-	-	-	-	-	-	BIRMINGHAM.			
LIVERPOOL	613,463	330	256	55	52	-	2	23	-	4	4	4	11	12	39	24	21.8	3.1	55.9	35.3	43.0	6.11	0.83	2.11	LIVERPOOL.			
LONDON	1,684,6	71	58	13	8	-	6	-	1	2	-	1	3	5	4	1	26.1	4.5	-	-	-	-	-	-	LONDON.			
MANCHESTER†	376,437	228	220	44	34	-	23	7	3	3	4	4	8	20	49	5	31.1	6.0	-	-	-	-	-	-	MANCHESTER.			
SALFORD	242,509	126	110	32	17	-	1	5	4	1	3	4	4	6	23	4	23.7	3.9	-	-	-	-	-	-	SALFORD.			
OLDHAM	146,716	78	86	24	12	-	7	3	-	1	-	-	1	4	8	5	30.6	3.9	-	-	-	-	-	-	OLDHAM.			
BLACKBURN	123,563	64	43	9	9	-	-	1	-	-	-	-	1	2	4	1	18.1	0.8	-	-	-	-	-	-	BLACKBURN.			
PRESTON	105,163	75	50	13	14	-	2	-	1	-	2	4	1	1	1	5	24.8	4.5	-	-	-	-	-	-	PRESTON.			
HUDDERSFIELD†	94,253	83	31	7	8	-	-	-	-	-	-	-	-	-	2	3	17.1	1.7	-	-	-	-	-	-	HUDDERSFIELD.			
HALIFAX	82,054	42	34	11	7	-	-	-	-	2	-	-	3	3	3	3	21.6	1.3	-	-	-	-	-	-	HALIFAX.			
BRADFORD	240,515	113	101	23	20	-	12	2	-	-	2	2	2	5	10	-	21.9	3.9	56.6	31.6	42.2	5.67	0.60	1.52	BRADFORD.			
LEEDS	387,799	269	160	35	43	-	10	2	2	8	2	2	1	11	12	3	22.9	3.7	-	-	-	-	-	-	LEEDS.			
SHEFFIELD	332,537	221	142	41	27	-	4	1	6	1	3	3	6	7	12	9	22.2	2.8	-	-	-	-	-	-	SHEFFIELD.			
HULL	113,833	131	76	19	18	-	1	-	-	1	-	3	2	2	5	1	18.5	1.2	56.0	29.0	39.7	4.28	0.34	0.86	HULL.			
SUNDERLAND	186,006	90	57	13	13	-	1	3	-	1	-	3	2	2	6	4	21.8	3.1	-	-	-	-	-	-	SUNDERLAND.			
NEWCASTLE	182,957	113	81	18	26	-	-	-	2	2	1	2	3	5	10	3	25.9	2.2	46.0	30.0	37.9	3.28	0.63	1.60	NEWCASTLE.			
CARDIFF	117,012	90	47	17	4	-	3	-	-	3	1	2	2	2	6	-	20.9	4.0	-	-	-	-	-	-	CARDIFF.			
EDINBURGH	271,135	125	74	16	10	-	-	3	1	-	-	2	2	9	12	17	14.2	1.2	55.3	30.5	42.0	5.56	2.28	5.79	EDINBURGH.			
GLASGOW	230,503	327	232	49	40	-	7	1	1	7	6	8	7	7	27	23	22.8	3.0	56.9	32.7	42.8	6.00	1.35	3.43	GLASGOW.			
DUBLIN	333,083	143	132	28	44	-	-	-	-	1	2	3	4	5	56	9	22.5	0.9	59.5	30.1	43.0	6.11	0.89	2.26	DUBLIN.			

† The recent extension of this borough will not be taken into account in the Weekly Returns until 1891.

\* See note on first page of this Return.



*Births, Deaths, Meteorology.***TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-SIXTH Week of each of the Eleven Years, 1880–90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2343	2623	2503	2633	2558	2682	2830	2459	2606	2522	2803·1	2331
Males . .	1239	1330	1262	1360	1321	1381	1454	1207	1335	1275	1435·7	1151
Females .	1104	1293	1241	1273	1237	1301	1376	1252	1271	1247	1373·4	1170
<b>TOTAL Deaths</b>	1489	1434	1571	1631	1507	1557	1385	1638	1619	1451	1671·9	1709
Males . .	742	693	812	832	817	765	756	830	848	748	859·6	874
Females .	747	751	759	799	690	792	629	808	771	703	812·3	835

\* The numbers in this column are the average weekly numbers in the forty-sixth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.
<b>TOTAL Births</b>	2487	2614	2469	2539	2355	2458	2433	2409	2412	2512	2295	2173	2321
<b>TOTAL Deaths</b>	1629	1659	1514	1410	1375	1458	1413	1472	1741	1649	1817	1734	1709
<b>Ages at</b>													
{ 0–20 years	964	911	796	687	667	740	726	747	870	835	827	785	758
{ 20–40 "	148	190	177	133	200	182	170	180	204	200	206	222	239
{ 40–60 "	233	265	240	238	214	236	223	240	316	264	335	331	296
<b>Death</b>													
{ 60–80 "	235	234	245	256	232	256	253	251	231	296	372	318	315
{ 80 years & upwards	49	59	56	46	62	44	41	51	70	54	76	78	73
<b>"</b>													
{ Under 1 year	603	525	459	395	376	429	433	436	491	429	413	393	392
{ 1–5 "	292	282	247	217	227	207	193	213	260	306	303	283	257
{ 5–20 "	69	104	90	75	64	104	100	93	119	103	111	109	109
<b>Death from Small-pox</b>	—	—	—	—	—	1	—	—	—	—	—	—	—
" " Measles	78	60	56	39	33	22	30	38	59	70	95	74	63
" " Scarlet fever	16	24	18	14	16	20	20	20	20	29	16	23	15
" " Diphtheria	20	26	16	18	35	38	28	38	41	23	26	50	29
" " Whooping-cough	39	39	46	35	33	29	18	59	30	28	19	20	25
" " Typhus	—	—	—	1	—	—	—	—	—	—	—	—	1
" " Enteric fever	11	17	18	18	21	18	24	24	21	15	26	29	24
" " Simple Cont'd fever	—	—	1	—	—	2	1	1	2	1	—	—	—
" " Diarrhoea and Dysentery }	255	180	128	117	94	86	105	94	75	55	43	26	19
" " Cholera	12	7	5	5	3	6	3	2	2	—	—	—	1
" " all the above- mentioned Diseases }	426	353	288	251	238	218	229	246	250	221	225	222	177
" " Dis. of Respira- tory System }	203	184	180	210	187	222	262	197	340	417	450	465	465
" " Phthisis	119	167	139	136	157	130	123	147	204	139	189	153	174
" " Dis. of Circula- tory System }	116	100	120	114	136	104	100	123	144	151	156	141	139
<b>Violent Deaths</b>	54	57	54	55	43	52	61	49	52	50	57	65	55
<b>Inquest Cases</b>	105	105	98	109	83	103	107	113	123	114	119	143	131
<b>Deaths in Public Institutions</b>	343	364	391	360	360	377	334	346	397	382	395	432	409
<b>TEMPERATURE OF THE AIR</b>													
Mean	59·0	54·4	58·4	59·4	60·4	58·8	56·7	54·3	47·7	48·2	43·6	45·2	44·5
Mean of Highest readings	69·0	66·5	71·0	73·2	71·7	69·2	66·3	64·1	56·5	54·4	50·4	51·7	52·4
Mean of Lowest readings	51·8	46·0	48·4	48·2	51·0	50·9	49·3	45·5	39·8	43·2	36·3	39·0	37·3
<b>Humidity of the Air</b>	81	80	83	79	74	33	76	82	82	83	85	82	83
<b>Rain-fall in inches</b>	1·03	0·67	0·00	0·00	0·34	0·31	00·0	0·33	0·20	0·45	0·23	0·77	0·28
<b>Registered Sunshine (in hours)</b>	31·9	36·5	26·8	48·6	50·7	24·9	36·9	36·5	16·0	8·8	12·6	16·4	16·2

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whiteledge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Melandorborough, Esq., F.R.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

## Deaths from different Causes.

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TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-SIXTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 48th Weeks of the 10 years 1880-89.	In the Week ending Saturday, 15th November 1890.										CAUSES OF DEATH.	Corrected Averages for the 48th Weeks of the 10 years 1880-89.	In the Week ending Saturday, 15th November 1891.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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		0-1.	1-5.	5-25.	25 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.						0-1.	1-5.	5-25.	25 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
ALL CAUSES - -	1671.9	1709	392	257	109	239	293	343	73			Diseases of Organs of Special Sense † - -	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.  
 † As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."  
 § The evidence at inquests is often insufficient to enable the Coroner to certify what or a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



## Deaths from some Zymotic and other Causes.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of		Deaths from											Deaths in Public Institutions.	Uncertified Causes
					Infants under 1 Year of Age.	Persons aged 10 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.			
LONDON		3,815,704	2321	1703	392	416	-	63	15	29	25	1	24	-	19	55	131	409	
WEST DISTRICTS		689,938	374	276	68	71	-	6	2	7	4	-	5	-	5	9	13	73	
NORTH DISTRICTS		905,947	520	376	79	94	-	4	9	4	6	-	4	-	5	11	30	94	
CENTRAL DISTRICTS		282,238	127	103	17	17	-	-	1	3	2	-	1	-	1	2	5	29	
EAST DISTRICTS		892,738	481	377	97	92	-	26	2	8	3	-	6	-	2	11	48	85	
SOUTH DISTRICTS		1,235,148	818	552	181	130	-	27	1	7	10	1	8	-	5	18	31	103	
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	25	-	12	-	-	-	-	-	-	-	-	1	1	1	25	
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.		89883	45	27	9	4	-	-	-	1	-	-	-	-	-	2	3	2	
St. John Paddington H - G.J.		37380	17	18	2	4	-	-	-	1	1	-	-	-	-	1	2	6	
Kensington Town Ww - W.M.		120141	55	45	6	17	-	1	-	-	-	-	2	-	-	-	-	18	
Brompton H - W.M. & C.		48010	11	17	-	6	-	-	-	1	-	-	-	-	-	-	-	4	
St. Peter Hammersmith - W.M.		7399	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H W.M. & G.J.		64340	61	28	10	7	-	1	-	1	1	-	1	-	2	1	3	5	
Fulham Ww - W.M. & C.		42900	62	31	9	3	-	3	2	1	2	-	1	-	-	-	1	6	
Chelsea Kensal Town - E.		15049	13	7	4	2	-	-	-	-	-	-	-	-	-	-	-	6	
Chelsea North WHHHH - C.		42083	16	22	5	9	-	-	-	-	1	-	-	-	1	1	1	5	
Chelsea South HHH - C.		30896	19	16	8	1	-	-	-	-	-	-	-	-	-	-	-	8	
May Fair W - G.J.		89353	7	9	1	3	-	-	-	-	-	-	1	-	1	-	-	7	
Belgrave WHHH - C.		59220	22	18	3	4	-	-	-	1	-	-	1	-	-	-	-	-	
St. John Westminster HHH - C.		34998	18	16	5	4	-	-	-	-	-	-	-	-	-	3	2	4	
St. Margaret Westminster H - C.		24679	8	9	1	4	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Westminster WHH N.R. & G.J.		29941	5	5	3	1	-	1	-	-	-	-	-	-	-	-	-	2	
St. Anne Soho HHHHHH - N.R.		16898	13	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.		26759	5	13	1	3	-	-	-	-	-	-	1	-	-	1	2	5	
Cavendish Square HHHH - W.M.		14891	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Rectory Marylebone W - G.J. & W.M.		24809	10	8	1	3	-	-	-	-	-	-	-	-	-	-	-	1	
St. Mary Marylebone HHHH G.J. & W.M.		21118	24	6	1	2	-	1	-	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone H - W.M.		33700	18	15	5	4	-	-	1	-	-	-	-	-	2	2	-	-	
St. John Marylebone H - W.M.		33683	10	12	1	4	-	-	-	-	-	-	-	-	-	-	-	-	
Hampstead Ww/HHHH - N.R. & W.M.		45452	26	26	2	6	-	3	1	1	1	-	1	-	1	3	13	-	
Regent's Park Pancras H - W.M.		89115	16	9	2	1	-	-	-	1	-	-	-	-	-	2	-	-	
Tottenham-court WHHHH N.R. & W.M.		27729	7	20	2	1	-	-	-	-	-	-	-	-	-	-	10	-	
Gray's Inn Lane HHH - N.R.		30247	12	9	1	1	-	-	-	-	1	-	-	-	-	-	5	-	
Somers Town HH - N.R.		34569	23	6	4	1	-	-	-	-	-	-	-	-	-	-	1	-	
Camden Town WH - N.R.		17311	10	19	5	7	-	-	-	-	-	1	-	-	-	-	1	8	
Kentish Town W - N.R.		87487	48	36	12	7	-	-	-	-	-	-	-	-	-	-	-	20	
Upper Holloway Ww/HH - N.R.		67948	50	53	7	23	-	-	-	-	1	-	1	-	2	4	7	20	
Islington South-west H - N.R.		100976	52	25	6	5	-	-	-	-	-	-	-	-	1	1	5	-	
Islington South-east - N.R.		61825	39	16	2	6	-	-	-	-	-	-	-	-	-	-	-	-	
Highbury H - N.R.		52045	25	22	10	4	-	1	-	-	1	-	-	-	1	-	1	-	
Stoke Newington H - N.R.		22781	20	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill - E.L.		9277	7	3	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
West Hackney H - N.R.		87610	27	12	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
Hackney Ww/HH - E.L. & N.R.		76911	59	50	10	11	-	1	5	2	1	-	-	-	2	1	2	21	
South Hackney - E.L.		39383	24	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury - N.R.		16381	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH - N.R.		14884	9	7	1	2	-	-	-	-	1	-	-	-	-	-	-	4	
St. Giles North H - N.R.		13837	6	6	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Martin-in-the-Fields HHN R. & C.		17508	6	11	2	-	-	-	-	-	-	-	-	-	-	-	1	3	
St. Mary-le-Strand H - N.R.		7515	-	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H - N.R.		8559	4	3	-	-	-	-	-	-	-	1	-	-	-	-	-	2	
Strand Union Workhouse, Edmonton w.		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Geo.-the-Martyr HHHHHH N.R.		18671	5	8	1	-	-	-	-	1	1	-	-	-	-	-	-	2	
St. Andrew Eastern W - N.R.		10706	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Saffron Hill H - N.R.		6538	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell - N.R.		17516	7	7	6	1	2	-	-	-	-	-	-	-	1	-	-	-	
Amwell Clerkenwell - N.R.		19281	8	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville - N.R.		14773	8	9	2	1	2	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street - N.R.		17500	13	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	
Old-street H - N.R.		11541	9	3	1	1	-	-	-	-	-	-	-	-	-	1	1	-	
City-road HHL - N.R.		18628	18	8	4	1	-	-	-	1	-	-	-	-	-	-	1	2	
Whitecross-street - N.R.		9217	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Finsbury - N.R.		7438	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Holborn Union Workhouse, Mitchen w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
St. Botolph H - N.R. & E.L.		11174	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate - N.R.		7193	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre H - N.R.		5359	2	14	-	2	-	-	-	2	-	-	-	-	-	1	2	13	
St. Bride W - N.R.		8396	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Albion Barking - N.R.		18666	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street H - N.R.		6652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts.—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. N. River; E. L., East London; and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
urday, 15th November, 1890.

The DEATHS registered in the Week include																		
REGISTRATION SUB-DISTRICTS.		Enu- mer- ated Popu- lation, 1881.	Total Births.	Total DEATHS.	Deaths from													
					Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric or Typhoid Fever.	Summer con- tinued Fever.	Dysentery.	Violence.	Inquest Cases.	Deaths in Public Institutions.
EAST DISTRICTS.																		
Aldritch South HL*	- - N.R.	22343	14	9	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Ston New Town w	- - N.R.	2337	16	17	1	6	-	1	-	-	1	-	-	-	1	1	3	5
Ston Old Town -	- - N.R.	28036	19	10	6	3	-	-	-	-	-	-	-	-	-	-	-	-
Agerton WH	- - N.R. & E.L.	46275	35	33	8	5	-	-	-	-	-	-	-	-	-	-	-	-
Green North H	- - E.L.	51157	35	23	7	2	-	2	-	1	1	-	-	-	2	7	1	-
Green South	- - E.L.	34399	18	14	3	3	-	3	1	-	-	-	-	-	-	1	-	-
Green East WHL*	- - E.L.	41405	25	23	1	10	-	4	-	1	1	-	-	-	2	9	-	-
Elfields -	- - E.L. & N.R.	22585	8	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
End New Town W	- - E.L.	15473	16	14	3	5	-	-	-	-	-	-	-	1	1	2	-	-
itch Chapel Church H	- - E.L. & N.R.	17490	12	23	4	5	-	-	-	-	-	-	1	-	2	1	10	12
odman's Fields -	- - E.L.	9713	6	4	-	2	-	-	-	-	-	-	2	-	-	-	-	-
igate -	- - N.R. & E.L.	6102	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
George's, North	- - E.L.	28747	50	16	8	3	-	1	-	2	-	-	-	-	-	3	-	-
John, St. George East W	- - E.L.	8410	6	5	-	2	-	-	-	-	-	-	-	-	-	3	-	-
adwell H -	- - E.L. & N.R.	10935	2	8	3	1	-	-	-	1	-	-	-	-	-	1	5	-
ell -	- - E.L.	16107	6	4	-	1	-	1	-	-	-	1	-	-	-	-	-	1
ehouse -	- - E.L.	32041	19	18	8	3	-	1	-	-	-	-	-	-	-	3	-	-
le End Old Town West H	- - E.L.	37960	48	23	13	3	-	1	-	-	-	-	-	-	1	2	-	2
le End Old Town East WWH	- - E.L.	67533	41	35	9	9	-	3	-	1	-	-	-	-	-	2	2	-
L*	- - E.L.	37074	25	50	3	6	-	-	-	-	-	-	2	-	1	4	2	-
omley' wWH -	- - E.L.	64359	59	41	6	11	-	2	1	-	-	-	-	-	2	6	21	-
lar. WWH	- - E.L.	55077	40	32	9	5	-	7	-	-	-	-	-	-	2	3	-	-
SOUTH DISTRICTS.																		
itchurch Southwark WH	L. & S.	13563	3	2	-	2	-	-	-	-	-	-	-	-	-	-	2	-
Saviour Southwark	- S.	14999	16	5	1	2	-	-	-	-	-	-	-	-	-	-	-	1
st-road	- S. & L.	21381	13	9	3	2	-	-	-	-	-	-	-	-	1	1	-	-
rough-road WH	- S. & L.	12953	8	8	-	1	-	-	-	-	2	-	-	-	-	2	-	-
odon-road HL	- L. & S.	21319	15	9	2	2	-	-	-	-	-	-	-	-	-	-	-	-
ington 1st	- S. & L.	25212	14	9	2	2	-	-	-	-	1	-	-	-	-	-	-	-
Peter Walworth W	- S. & L.	59555	29	53	4	10	-	2	-	-	-	-	-	-	1	2	7	-
Mary Newington	- L. & S.	21623	26	11	5	1	-	2	-	1	-	-	-	-	-	-	-	1
Olave WH	- - S.	11956	6	22	1	2	-	-	-	-	1	-	-	-	1	3	5	17
ather Market	- S. & L.	16300	8	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Mary Magdalen W	- - S.	15689	20	10	2	1	-	-	-	-	-	-	-	-	1	-	3	-
James Bermondsey	- - S.	54682	33	14	2	4	-	-	-	-	-	-	-	-	-	-	-	-
erhithe WH	- S. & K.	36024	16	15	3	3	-	-	1	1	-	-	-	-	2	2	8	-
terloo-road 1st H	- L. & S.	15195	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
terloo-road 2nd H	- L. & S.	16351	12	5	3	1	-	-	-	-	-	-	-	-	-	1	-	-
mbeth Church 1st H	- L. & S.	19876	8	15	2	1	-	-	1	-	-	-	-	-	1	1	11	-
mbeth Church 2nd WH	- L. & S.	89559	31	20	3	8	-	-	1	1	-	-	-	-	-	1	1	8
ington 1st	- S. & L.	45332	33	13	5	5	-	-	-	-	1	-	-	-	-	-	-	1
nington 2nd	- S. & L.	35332	13	16	1	6	-	1	-	-	-	-	-	-	1	1	2	-
Ston w	- L. & S.	62837	30	13	1	2	-	-	-	-	-	-	-	-	-	-	-	1
nton Road W.	- L.	19017	10	7	2	2	-	-	-	-	-	-	-	-	-	-	-	2
st Battersea	- - S.	54675	36	19	7	1	-	-	-	-	-	-	-	-	-	-	-	-
st Battersea WH	- - S.	52587	45	25	8	5	-	-	-	-	-	-	-	-	-	-	5	1
atham W	- - S.	68360	20	5	2	2	-	1	-	-	-	-	-	-	-	-	-	-
andsworth WHL	- - S.	28004	23	12	3	4	-	2	-	-	-	-	-	-	-	-	1	-
ney	- - S.	13235	13	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
atham w	- - L.	25553	21	11	-	7	-	-	-	-	1	-	-	-	-	-	1	-
wich	- - L. & S.	5390	-	2	-	-	-	-	-	-	-	-	-	-	1	1	-	-
berwell W & L*	- - S. & L.	59104	32	42	7	14	-	2	-	-	1	-	-	-	-	-	23	4
atham W	- - S., L. & K.	71089	54	38	13	7	-	8	-	-	2	-	-	-	-	-	4	2
George Camberwell	- - L. & S.	50810	34	23	10	3	-	-	-	1	-	-	-	-	-	2	-	-
Paul Deptford w	- - K.	76752	61	36	10	4	-	4	1	3	-	1	-	-	-	2	4	1
Nicholas Deptford	- - K.	7901	3	5	1	1	-	-	-	-	-	1	-	-	-	1	-	-
enwich West H	- - K.	21972	14	6	1	2	-	-	-	-	-	-	-	-	-	-	-	1
enwich East WHH	- - K.	24603	16	12	1	4	-	-	-	-	-	-	-	-	1	1	6	-
am H	- - K.	5043	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H -	- - K.	21559	1	8	-	4	-	-	-	-	-	1	-	-	-	-	1	-
isham WH	- - K.	19865	15	7	2	1	-	-	-	-	-	-	-	-	2	2	3	-
enham H	- - L.	26076	10	10	3	3	-	1	-	-	-	-	-	-	-	-	1	-
rlon HH	- - K.	10930	6	6	2	1	-	-	-	-	-	-	-	-	-	-	-	1
ewish Dockyard	- - K.	17617	18	14	6	2	-	1	3	-	-	-	-	-	2	3	-	-
ewish Arsenal HH	- - K.	13043	12	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
instead, West H	- - K.	14009	9	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
instead, East W	- - K.	19241	26	15	4	4	-	-	-	-	-	-	-	-	2	2	4	-
Capital Ships and Camp, Dartford	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schmore Hill Hospital	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
atham Asylum	- -	-	3	-	-	3	-	-	-	-	-	-	-	-	1	-	3	-
atham Asylum	- -	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	3	-
raden Asylum	- -	-	6	-	-	1	-	-	-	-	-	-	-	-	-	-	6	-
instead Asylum	- -	-	4	-	-	2	-	-	-	-	-	-	-	-	-	-	4	-
e Hill Asylum	- -	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
well Asylum	- -	-	4	-	-	3	-	-	-	-	-	-	-	-	1	1	4	-
ey Hatch Asylum	- -	-	4	-	-	2	-	-	-	-	-	-	-	-	-	-	4	-
of London Asylum	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS). AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 15th November, 1890

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 40 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes.	
LONDON—OUTER RING		370,924	950,957	717	445	91	125	-	40	3	23	5	6	9	9	25	40	-	
30:1	Carshalton <i>wL</i> -	12228	21113	8	4	1	1	-	-	-	1	-	-	-	-	-	-	-	
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	4	6	-	3	-	-	-	-	-	-	-	-	-	3	-	
37:1	Godstone ( <i>part of</i> ) *	2754	1385	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i> -	20851	101941	64	40	12	15	-	-	-	14	-	-	1	-	-	6	-	
2	Mitcham <i>w</i> -	11697	17932	19	4	1	-	-	-	-	1	-	-	-	-	-	-	-	
39:1	Wimbledon <i>HHH</i> -	3220	15950	13	8	2	3	-	-	-	-	-	-	-	-	1	-	-	
2	Kingston <i>WHH</i> -	8549	36354	24	12	1	5	-	-	-	-	-	-	-	1	2	1	-	
3	Esher ( <i>part of</i> ) *	6601	9221	2	5	1	4	-	-	-	-	-	-	1	-	-	-	-	
4	Hampton <i>H</i> -	4573	13539	10	5	1	1	-	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i> -	2272	21302	10	9	-	2	-	-	-	-	1	-	-	3	3	5	-	
2	Mortlake -	2941	12331	8	6	1	1	-	3	-	-	-	-	-	1	1	-	-	
41:1	Bromley( <i>pt. of</i> ) * <i>HEHH</i>	15663	31142	15	18	5	4	-	4	-	1	-	-	-	-	-	-	-	
2	Chislehurst( <i>pt. of</i> ) * <i>WHH</i>	14507	13844	5	5	-	5	-	-	-	-	-	-	-	-	-	1	-	
42:1	Bexley <i>H</i> -	13437	24134	13	5	1	2	-	-	-	-	-	-	-	-	-	-	-	
2	Dartford ( <i>Ww, pts. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>w</i> -	11055	11653	6	3	-	1	-	1	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12039	3	4	1	1	-	-	-	-	-	-	-	-	-	2	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	6	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
2	Uxbridge -	6173	3225	1	3	1	2	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14387	11323	9	6	3	2	-	-	-	-	-	-	1	-	1	1	-	
126:1	Isleworth <i>WHH</i> -	7008	22727	15	11	1	4	-	-	-	-	2	1	-	-	2	2	-	
2	Twickenham <i>H</i> -	2477	12473	7	6	2	1	-	-	-	-	-	-	-	-	-	-	-	
3	Brentford <i>HL</i> -	4345	27649	23	10	3	5	-	5	-	1	-	1	-	-	1	1	-	
4	Chiswick -	1340	15975	11	9	3	3	-	1	-	-	-	-	-	-	-	-	-	
5	Aeton <i>wH</i> -	8083	22374	11	11	3	3	-	1	1	-	-	-	-	-	1	-	-	
127:1	Harrow <i>H</i> -	13809	12794	6	2	1	-	-	-	-	1	-	-	1	-	-	-	-	
2	Edgware <i>H</i> -	6924	3749	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	
3	Willesden -	4383	27453	32	10	5	1	-	-	-	-	1	2	-	-	1	-	-	
4	Hendon <i>W</i> -	3333	10434	7	5	1	1	-	-	-	-	-	-	-	-	-	1	-	
127:1	Bushey -	2321	6621	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms -	15599	6391	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet -	7433	10092	4	6	-	4	-	1	-	-	-	-	-	-	1	1	-	
3	Finchley <i>HL</i> -	4683	17615	10	5	-	2	-	-	-	-	-	-	-	-	-	1	-	
129:1	Hatfield ( <i>part of</i> ) *	3306	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i> -	3039	37073	25	11	4	4	-	1	-	-	-	-	1	-	1	-	-	
2	Tottenham <i>H</i> -	4642	46456	45	35	4	6	-	1	2	1	-	2	-	1	2	2	-	
3	Edmonton <i>Ww</i> -	7433	22463	24	11	1	3	-	-	-	-	3	-	-	-	-	4	-	
4	Enfield <i>WH</i> -	12653	19104	14	7	1	2	-	2	-	-	-	-	-	1	1	-	-	
5	Waltham Abbey -	11017	3366	5	4	-	2	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt <i>H</i> -	8490	7735	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
130:1	Stratford -	882	38606	20	7	-	1	-	1	-	1	-	-	-	1	1	-	-	
2	West Ham <i>wHHH</i> -	4055	90347	100	57	11	10	-	16	-	-	-	1	1	1	2	1	-	
3	East Ham <i>wsw</i> -	3296	10706	16	9	5	1	-	-	-	-	-	-	1	-	-	-	-	
4	Leyton <i>WwL</i> -	4574	32480	35	36	7	11	-	1	-	1	-	-	-	-	2	6	-	
5	Walthamstow <i>H</i> -	6520	23869	32	14	3	3	-	-	-	-	-	-	-	-	1	-	-	
131:1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	2669	3	2	1	-	-	1	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
132:1	Romford ( <i>part of</i> ) * <i>W</i>	6730	3411	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	3493	7645	7	4	-	1	-	1	-	1	-	-	-	-	-	-	-	
3	Barking Town -	4127	9203	11	3	1	2	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cadman and Kneebolt (pop. 1318); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 247); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 379); 139:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 127:2, Watford, and 137:2, Epping, sub-districts.

**TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 15th November, 1890.**

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.	
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
GREATER LONDON	448,334	5,758,500	19.5	2.4	2154	483	541	-	103	18	52	30	31	28	64	449	
INNER LONDON -	77,410	4,421,661	20.2	2.1	1709	392	416	-	63	15	29	25	25	19	55	400	
OUTER RING -	370,924	1,336,839	17.4	3.4	445	91	125	-	40	3	23	5	6	9	9	40	

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

**TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.**

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.						
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
ALCUTTA -	433,219	September 20	-	-	-	-	-	-	-	-	-	-
OMBAY -	773,196	October 31	325	384	21.5	1	1	?	?	?	110	29
ADRAS -	398,777	" 3	-	-	-	-	-	-	-	-	-	-
ARIS -	2,260,945	November 8	1115	1006	23.1	-	11	3	25*	2	9	57
RUSSELS - (Sh & Faubourgs.)	477,288	" 8	223	187	20.4	-	1	-	-	1	4	14
AMSTERDAM -	406,362	" 1	245	156	19.9	-	5	1	1	1	5	-
ROTTERDAM -	203,486	" 1	121	75	19.1	-	1	-	-	1	-	-
THE HAGUE -	156,497	" 1	83	73	24.1	-	1	-	-	1	-	-
COPENHAGEN -	312,387	" 8	243	114	19.0	-	1	3	5	2	-	2
STOCKHOLM -	236,350	" 1	119	81	17.8	-	-	8	2*	3	1	13
CHRISTIANIA -	143,300	" 8	42	37	13.4	-	-	4	3	-	1	2
S. PETERSBURG	924,466	" 1	-	-	-	-	-	-	-	-	-	-
BERLIN -	1,547,533	October 25	789	481	16.1	-	-	8	36	4	3	43
HAMBURG (State)	1,091,647	November 1	447	250	22.0	-	-	4	6*	3	2	30
BRUSSELS -	1,069,250	" 1	142	97	18.7	-	-	2	9	-	-	10
BRISLAU -	324,400	" 8	214	154	25.1	-	-	1	10	1	4	7
MUNICH -	1,098,000	" 8	-	119	20.8	-	-	-	8*	6	2	13
VENICE -	822,176	" 8	415	322	20.4	1	1	2	6	-	-	23
LAGU -	514,425	" 8	-	160	26.5	1	-	3	5	1	-	3
UDA-PRESTH -	463,017	" 1	284	216	27.6	-	-	10	20	-	4	16
BRISTOL -	160,092	" 8	94	80	26.0	-	-	-	3*	-	-	5
ROME -	417,592	October 18	-	-	-	-	-	-	-	-	-	-
PARIS (10 days)	314,827	September 30	253	147	17.0	1	1	-	-	-	5	27
BRISICE -	156,800	October 25	64	103	34.3	8	2	-	4*	-	-	14
AIRO -	374,838	" 9	349	317	44.0	-	-	-	3*	1	18	90
ALEXANDRIA -	231,396	" 9	179	153	34.4	-	-	-	3*	-	6	51
NEW YORK -	1,617,997	" 25	-	601	19.0	-	5	2	20	10	7	23
BROOKLYN -	871,852	" 25	-	324	19.2	-	3	5	14	3	5	11
PHILADELPHIA -	1,064,277	" 25	-	340	16.7	-	-	3	14	5	9	9
BALTIMORE -	500,343	" 25	-	148	15.4	-	-	1	10	1	3	6
NEW ORLEANS -	254,000	" 11	-	124	25.5	-	-	-	4	2	3	7

\* Including deaths from croup.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 15TH NOVEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		TEMPERATURE.		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## GENERAL REMARKS.

The height of the cistern of the barometer is 163 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1883 for the thermometers. With the corrected mean readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-thermic Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1883, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.74 in. at the beginning of the week to 29.53 in. by noon on the 16th; decreased to 29.27 in. by 9h. A.M. on the 17th; and increased to 29.13 in.

**OFFICIAL COPY.**

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationery Office,*  
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 47. 1890. VOL. LI.]      WEEK ENDING SATURDAY, NOVEMBER 22.      [Price 1½d.

*General Register Office, Somerset House,  
24th November, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21·3 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Nov. 1.	Nov. 8.	Nov. 15.	Nov. 22.		Nov. 1.	Nov. 8.	Nov. 15.	Nov. 22.
Birkenhead	24·3	25·3	21·3	17·4	Liverpool - -	23·7	24·1	21·8	21·1
Birmingham	18·6	20·2	19·4	18·3	London - -	21·4	20·4	20·2	20·2
Blackburn -	27·9	22·8	18·1	27·9	Manchester -	31·6	29·3	31·1	33·4
Bolton -	26·6	28·8	26·1	25·7	Newcastle-on-Tyne	24·0	22·7	25·9	21·4
Bradford -	19·3	21·9	21·9	18·0	Norwich -	24·6	24·1	20·8	21·3
Brighton -	22·3	12·7	16·9	15·2	Nottingham -	16·4	14·7	15·3	19·6
Bristol -	15·3	18·0	18·6	19·5	Oldham -	29·1	22·7	30·6	27·4
Cardiff -	25·8	25·0	20·9	25·0	Plymouth -	25·8	18·5	22·5	18·5
Derby -	14·5	16·0	15·0	15·5	Portsmouth -	24·8	19·3	21·2	24·4
Halifax -	29·2	18·4	21·6	30·5	Preston -	31·7	22·8	24·8	17·4
Huddersfield	19·4	18·3	17·1	18·3	Salford -	24·1	18·5	23·7	24·9
Hull -	17·4	17·8	18·5	18·5	Sheffield -	24·1	20·7	22·2	25·1
Leeds -	20·9	20·8	22·9	23·4	Sunderland -	17·6	18·7	21·8	24·1
Leicester -	19·9	15·9	20·9	15·9	Wolverhampton -	20·0	21·3	19·4	20·0

The highest annual death-rates, measured by last week's mortality, were :—from *measles*, 1·4 in Sheffield, 1·5 in Birkenhead, 1·9 in Halifax, 2·0 in Bradford, 2·2 in Cardiff, 2·7 in Bolton, 2·8 in Oldham, and 3·0 in Manchester and in Preston; from *scarlet fever*, 1·3 in Plymouth, and 1·5 in Liverpool; from *whooping-cough*, 1·3 in Halifax, and 1·7 in Huddersfield; and from "*fever*", 1·0 in Leeds, 1·1 in Nottingham and in Salford, and 1·5 in Birkenhead. The 60 deaths from *diphtheria* included 37 in London, 3 each in Portsmouth, Birmingham, and Salford, and 2 each in Liverpool, Manchester, Leicester, and Sheffield. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2206 BIRTHS and 1716 DEATHS were registered. Allowing for increase of population, the births were 541, and the deaths 6, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the preceding three weeks from 21·4 to 20·2, was again 20·2 last week. During the first eight weeks of

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such a hypothesis is, however, obviously somewhat untrustworthy.



the current quarter the death-rate averaged 19·5 per 1000, exceeding by 0·3 per 1000 the mean rate in the corresponding periods of the ten years 1880-89.

The 1716 deaths included 76 from measles, 26 from scarlet fever, 37 from diphtheria, 33 from whooping-cough, 23 from enteric fever, 11 from diarrhoea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or from cholera; thus, 206 deaths were referred to these diseases, being 10 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 8; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from *measles*, which had declined in the preceding three weeks from 95 to 63, increased last week to 76, exceeding the corrected average by 18. The fatal cases of *scarlet fever*, which had been 23 and 15 in the preceding two weeks, increased last week to 26, but were 17 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2059 scarlet-fever patients at the end of last week, the numbers on the preceding two Saturdays having been 2122 and 2117; 205 cases were admitted during the week, against 188 and 186 in the preceding two weeks. The deaths from *diphtheria*, which had been 50 and 29 in the preceding two weeks, numbered 37 last week, and exceeded the corrected average by 10; 6 belonged to Hammersmith sanitary area. The 33 deaths from *whooping-cough* showed a further increase on recent weekly numbers, but were 2 below the corrected average. The deaths from *diarrhoea* and *dysentery*, which had continuously declined in the preceding seven weeks from 105 to 19, further fell last week to 11, and were 7 below the corrected average.

The deaths referred to *enteric fever*, which had been 29 and 24 in the preceding two weeks, numbered 23 last week, corresponding with the corrected average. The Metropolitan Asylum Hospitals contained 192 cases of enteric fever, and one of typhus, on Saturday last; 18 cases of enteric fever were admitted during the week, against 24 and 20 in the preceding two weeks.

Three deaths were primarily attributed to *influenza*, the numbers so referred in the preceding two weeks having been 2 and 6.

The deaths referred to diseases of the respiratory organs, which had been 465 in each of the preceding two weeks, were 459 last week, exceeding the corrected average by 11.

Different forms of violence caused 56 deaths, concerning all but 2 of which inquests were held. Of these 56 deaths, 7 were cases of suicide, and one of murder, while the remaining 48 were attributed to accident or negligence. Two of these were caused by horses or vehicles in the streets, 12 by burns or scalds, 5 by drowning, and 10 (of infants aged under one year) by suffocation. The deaths of 2 and 3 children respectively were caused by conflagrations at Wellington Barracks and in Garth Street, Shadwell.

#### GREATER LONDON.

In Greater London 2953 births and 2134 deaths were registered, corresponding to annual rates of 26·7 and 19·3 per 1000 of the estimated population. In the Outer Ring 40 deaths were referred to measles, 10 to diphtheria, 7 to whooping-cough, and 5 to scarlet fever. Of the deaths from measles, 22 occurred in West Ham, 4 in Enfield, and 3 in Brentford sub-districts. The deaths from diphtheria included 4 in Croydon sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 30·14 ins.; the highest reading was 30·31 ins. on Thursday morning, and the lowest 29·60 ins. at the end of the week. The mean temperature of the *air* was 50°·0, and 8°·6 above the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably above the average throughout the week, the excess on Tuesday, on Wednesday, and on Thursday, amounting to more than 10°·0. The general direction of the *wind* was South-westerly, and the horizontal movement of the air averaged 12·0 miles per hour, which was 0·5 of a mile below the average in the corresponding weeks of 16 years. *Rain* fell on four days of the week, to the aggregate amount of 0·19 of an inch. The duration of registered bright sunshine in the week was 3·1 hours, against 5·1 hours at Glynde Place, Lewes.

**TABLE 1.—BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 22nd November 1890.**

CITIES AND BOROUGH.	Registered during the Week ending 22nd Nov., 1890.			Deaths from										Deaths of Persons aged 60 Years and upwards.				Infants under 1 Year of Age.				Births.		Population estimated at the middle of the Year 1890.*		RAINFALL.		CITIES AND BOROUGH.
	1.	2.	3.	Deaths from										Deaths of Persons aged 60 Years and upwards.				Infants under 1 Year of Age.				Births.		Population estimated at the middle of the Year 1890.*		RAINFALL.		
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See note on first page of this Return.

+ The recent extension of this borough will not be taken into account in the Weekly Returns until 1891.



**TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-SEVENTH Week of each of the Eleven Years, 1880-90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2432	2401	2703	2482	2409	2432	2462	2632	2722	2517	2746·7	2206
Males . . .	1248	1221	1552	1310	1193	1243	1302	1365	1354	1301	1406·1	1059
Females . .	1184	1180	1357	1172	1211	1179	1160	1267	1368	1216	1340·6	1147
<b>TOTAL Deaths</b>	1521	1600	1681	1670	1521	1610	1543	1852	1403	1376	1722·2	1716
Males . . .	747	790	865	834	816	810	810	951	716	690	875·6	827
Females . .	774	810	816	836	705	800	733	911	693	686	846·6	889

\* The numbers in this column are the average weekly numbers in the forty-seventh weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.	Nov. 22.
<b>TOTAL Births</b>	2614	2469	2539	2355	2458	2433	2409	2412	2512	2293	2173	2321	2206
<b>TOTAL Deaths</b>	1659	1514	1410	1375	1458	1413	1472	1741	1649	1817	1784	1709	1716
<b>Ages at Death</b>													
{ 0-20 years	911	796	687	667	740	726	747	870	835	827	785	758	789
{ 20-40 "	150	177	183	200	182	170	180	204	200	206	222	239	226
{ 40-60 "	265	240	238	214	236	223	240	316	264	336	331	296	284
{ 60-80 "	234	245	256	232	256	253	251	281	296	372	318	343	349
{ 80 years & upwards	59	56	46	62	44	41	51	70	51	76	78	73	68
<b>Deaths from</b>													
{ Under 1 year	525	459	395	376	429	433	436	491	429	413	393	392	369
{ 1-5 "	282	217	217	227	207	193	213	260	306	303	283	257	303
{ 5-20 "	104	90	75	64	104	100	98	119	103	111	103	109	112
<b>Deaths from Small-pox</b>	-	-	-	-	1	-	-	-	-	-	-	-	-
" " Measles	60	56	39	53	22	30	38	59	70	95	74	63	76
" " Scarlet fever	24	18	18	14	16	20	20	20	29	16	23	15	26
" " Diphtheria	26	16	18	35	38	28	38	41	23	26	50	29	37
" " Whooping-cough	59	46	35	33	29	18	19	30	28	19	20	25	33
" " Typhus	-	-	1	-	-	-	-	-	-	-	-	1	-
" " Enteric fever	17	18	18	21	18	24	24	21	15	26	29	24	23
" " Simple Cont'd fever	-	1	-	-	2	1	1	2	1	-	-	-	-
" " Diarrhoea and Dysentery	180	123	117	94	86	105	94	75	55	43	26	19	11
" " Cholera	7	5	5	3	6	3	2	2	-	-	-	1	-
" " all the above-mentioned Diseases	353	288	251	238	218	229	246	250	221	225	222	177	206
" " Dis. of Respiratory System	184	180	210	187	222	262	197	340	417	450	465	465	459
" " Phthisis	167	139	136	157	130	123	147	204	139	189	153	174	184
" " Dis. of Circulatory System	100	120	114	136	104	100	123	144	151	156	141	139	134
<b>Violent Deaths</b>	57	54	55	43	52	61	49	52	50	57	65	55	56
<b>Inquest Cases</b>	105	98	109	88	103	107	113	123	114	119	143	131	109
<b>Deaths in Public Institutions</b>	364	391	360	360	377	335	346	397	382	395	432	410	425
<b>TEMPERATURE OF THE AIR</b>													
Mean	54·4	58·4	59·4	60·4	58·8	56·7	54·3	47·7	48·2	43·6	45·2	44·5	50·0
Mean of Highest readings	66·5	73·2	71·7	69·2	66·3	64·1	56·5	54·4	50·4	51·7	52·4	54·0	
Mean of Lowest readings	46·0	48·4	48·2	51·0	50·9	49·3	45·5	39·8	43·2	36·3	39·0	37·3	45·1
<b>Humidity of the Air</b>	80	83	79	74	83	76	82	82	83	85	82	88	90
<b>Rain-fall in inches</b>	0·67	0·00	0·00	0·34	0·31	00·0	0·33	0·20	0·45	0·23	0·77	0·28	0·19
<b>Registered Sunshine (in hours)</b>	16·5	26·8	48·6	50·7	24·9	36·9	36·5	16·0	8·8	12·6	16·4	16·2	3·1

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

\* The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; C. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLanahanrough, Esq., F.R.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-SEVENTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 47th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 22nd November 1890.										CAUSES OF DEATH.	Corrected Averages for the 47th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 22nd November 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.						
			0-1.	1-5.	5-20.						0-1.							1-5.	5-20.				
ALL CAUSES - -	1722.2	1716	369	308	112	226	234	349	68	Diseases of Organs of Special Sense † - -	1.7	3	-	-	1	1	-	1	-				
Small-pox { Vaccinated † - - -	2.4	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	127.4	134	1	4	12	17	33	55	12				
Unvaccinated - - -	3.8	-	-	-	-	-	-	-	-	Croup - - - - -	16.5	11	3	8	-	-	-	-	-				
No Statement - - -	2.2	-	-	-	-	-	-	-	-	Bronchitis - - - -	275.6	284	82	52	2	5	23	79	16				
Measles - - - - -	57.7	76	14	57	4	1	-	-	-	Pneumonia - - - -	114.9	141	29	88	9	22	21	17	5				
Scarlet Fever - - -	48.2	26	1	16	8	1	-	-	-	Pleurisy - - - - -	4.7	12	3	3	1	1	2	2	-				
Typhus - - - - -	1.4	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - - -	36.4	81	6	1	-	3	9	12	-				
Relapsing Fever † - -	0.1	-	-	-	-	-	-	-	-	Dentition † - - - -	8.7	8	3	5	-	-	-	-	-				
Influenza - - - - -	0.3	3	-	1	-	1	-	-	1	Quinsy, Sore Throat † -	3.0	3	-	-	1	1	-	1	-				
Whooping-cough - -	35.1	33	11	21	1	-	-	-	-	Enteritis - - - - -	7.6	9	4	1	1	-	-	3	-				
Diphtheria - - - -	27.4	87	1	23	10	2	1	-	-	Peritonitis - - - -	7.2	8	1	1	1	2	1	2	-				
Simple Continued and Ill-defined Fever - -	2.0	-	-	-	-	-	-	-	-	Diseases of Liver - -	23.6	31	3	-	-	2	14	12	-				
Enteric Fever - - -	23.2	23	-	2	10	6	4	1	-	Other Diseases of Digestive System -	26.8	24	7	2	2	2	4	6	1				
Cholera and Chol. Diarr.	0.4	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - - - -	2.5	3	-	2	1	-	-	-	-				
Diarrhoea, Dysentery -	17.6	11	6	2	1	-	-	2	-	Diseases of Urinary System - - - - -	45.1	46	-	2	-	10	17	15	2				
Remittent Fever † - -	0.3	-	-	-	-	-	-	-	-	Diseases of Generative System - - - - -	6.2	8	-	-	1	5	-	1	1				
Hydrophobia - - -	0.5	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.8	4	-	-	-	4	-	-	-				
Glanders - - - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - - -	9.4	11	1	1	2	3	2	2	-				
Cowpox and Effects of Vaccination † - - -	0.1	-	-	-	-	-	-	-	-	Diseases of Integumentary System - - - -	7.5	11	2	4	-	-	3	2	-				
Veneral Affections -	10.1	6	6	-	-	-	-	-	-	<b>VIOLENT DEATHS.‡</b>													
Erysipelas - - - -	8.1	6	1	-	1	-	1	3	-	(ACCIDENT.)													
Pyæmia and Septicæmia †	3.4	4	3	-	-	1	-	-	-	Fracture and Contusion -	19.1	16	-	1	1	2	6	5	1				
Puerperal Fever - -	8.1	2	-	-	-	1	1	-	-	Gunshot Wound - - -	9.2	-	-	-	-	-	-	-	-				
Other Zymotic Diseases †	2.0	-	-	-	-	-	-	-	-	Cut, Stab - - - - -	0.3	1	-	-	-	-	1	-	-				
Thrush - - - - -	1.0	1	1	-	-	-	-	-	-	Burn and Scald - - -	8.0	12	1	6	2	-	1	2	-				
Worms and other Parasitical Diseases - - -	0.5	-	-	-	-	-	-	-	-	Poison - - - - -	1.9	-	-	-	-	-	-	-	-				
Starvation, Want of Breast-milk † - - -	1.6	1	1	-	-	-	-	-	-	Drowning - - - - -	6.8	6	-	-	-	3	1	1	-				
Alcoholism - - - -	3.6	11	-	-	-	3	7	1	-	Suffocation - - - -	12.2	10	10	-	-	-	-	-	-				
Rheumatic Fever, Rheumatism of Heart †	8.7	15	-	1	7	5	2	-	-	Otherwise - - - - -	2.6	4	3	1	-	-	-	-	-				
Rheumatism † - - -	1.6	3	-	-	-	-	-	3	-	(HOMICIDE.)													
Gout - - - - -	3.1	4	-	-	-	-	-	-	-	Murder & Manslaughter	2.0	1	1	-	-	-	-	-	-				
Rickets † - - - - -	4.0	5	1	4	-	-	-	-	-	(SUICIDE.)													
Cancer - - - - -	59.9	60	-	-	-	6	24	28	2	Gunshot Wound - - -	0.5	1	-	-	-	1	-	-	-				
Tabes Mesenterica -	21.8	20	10	7	1	1	1	-	-	Cut, Stab - - - - -	1.5	1	-	-	-	-	-	1	-				
Tubercular Meningitis	23.4	22	5	15	2	-	-	-	-	Poison - - - - -	1.7	3	-	-	-	-	-	-	-				
Phthisis - - - - -	182.3	184	4	3	13	93	59	12	-	Drowning - - - - -	0.4	-	-	-	-	2	-	1	-				
Scrophula, Tuberculosis	16.8	17	4	3	4	4	-	2	-	Hanging - - - - -	1.3	2	-	-	-	-	-	-	-				
Other Constitutional Diseases † - - -	12.1	12	-	-	1	-	6	5	-	Otherwise - - - - -	0.8	-	-	-	-	-	-	-	-				
Premature Birth - -	40.1	44	44	-	-	-	-	-	-	(EXECUTION.)													
Atelectasis † - - -	2.1	3	3	-	-	-	-	-	-	Hanging - - - - -	0.0	-	-	-	-	-	-	-	-				
Congenital Malformations - - -	7.2	8	8	-	-	-	-	-	-	<b>OTHER CAUSES † - -</b>	57.8	45	40	2	-	-	2	1	-				
Old Age - - - - -	49.6	42	-	-	-	-	19	23	-														
Apoplexy - - - - -	42.5	40	1	-	-	4	11	22	2														
Epilepsy - - - - -	7.2	6	-	-	2	-	2	2	-														
Convulsions - - - -	43.4	47	40	6	1	-	-	-	-														
Other Diseases of Brain and Nervous System †	60.9	81	4	13	9	9	19	25	2														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.	Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from												Deaths in Public Institutions.	Unclassified Causes
				Infants under 1 Year of Age.	Persons aged 60 Years and upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipels (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON	3,815,704	2206	1716	369	417	-	76	26	37	33	-	23	-	11	56	109	423		
WEST DISTRICTS	669,682	324	263	42	71	-	8	5	7	6	-	3	-	2	10	25	74		
NORTH DISTRICTS	905,847	462	367	84	90	-	8	6	18	9	-	4	-	-	13	27	85		
CENTRAL DISTRICTS	332,238	116	104	20	22	-	3	-	2	1	-	1	-	-	4	9	31		
EAST DISTRICTS	602,788	440	348	74	92	-	20	8	6	2	-	5	-	4	12	22	92		
SOUTH DISTRICTS	1,203,148	864	613	140	133	-	23	12	6	15	-	10	-	5	17	26	120		
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON	-	-	21	-	11	-	-	-	-	-	-	-	-	-	-	-	21		
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.	68888	46	22	4	7	-	-	-	-	1	-	-	-	-	1	2	3		
St. John Paddington H - - - G.J.	87330	12	11	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
Kensington Town Ww - - - W.M.	120141	52	46	7	15	-	-	-	-	1	-	1	-	1	3	7	16		
Brompton H - - - W.M. & C.	48010	13	7	-	1	-	-	-	-	-	-	-	-	-	1	1	3		
St. Peter Hammersmith - - - W.M.	7899	2	6	1	4	-	-	-	1	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.	64340	86	29	6	7	-	3	-	6	1	-	-	-	-	1	4	13		
Fulham Ww - - - W.M. & C.	42900	62	42	12	6	-	-	-	2	5	-	-	-	-	-	-	-		
Chelsea Kensal Town - - - C.	15049	12	6	2	1	-	1	-	-	-	-	-	-	-	-	-	-		
Chelsea North WHHHH - - - C.	42633	18	14	1	8	-	-	-	-	-	-	-	-	-	1	5	-		
Chelsea South HHH - - - C.	30896	16	7	3	1	-	-	-	-	1	-	-	-	-	-	2	-		
May Fair W - - - G.J.	80353	8	13	1	6	-	-	-	-	1	-	-	-	-	-	4	-		
Bokray WHH - - - C.	59220	22	24	4	4	-	1	-	-	-	-	2	-	-	1	3	9		
St. John Westminster HHH - - - C.	24498	12	13	5	6	-	-	-	-	1	-	-	-	-	-	2	-		
St. Margaret Westminster H - - C.	24670	6	13	1	1	-	-	-	-	-	-	-	-	-	2	6	1		
St. James Westminster WHH N.R. & G.J.	29041	5	6	-	3	-	1	-	-	-	-	-	-	1	-	1	2		
St. Anne Scho HHHHH - - - N.R.	16608	2	5	-	-	-	-	-	-	-	-	-	-	-	-	1	2		
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.	26759	10	10	2	1	-	-	-	-	-	-	-	-	-	-	-	6		
Cavendish Square HHHH - - - W.M.	14891	2	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-		
Rectory Marylebone W - - G.J. & W.M.	24609	10	8	1	4	-	-	-	-	-	-	-	-	-	-	1	-		
St. Mary Maryleb. HHHH G.J. & W.M.	21118	16	11	7	3	-	-	-	-	2	-	-	-	-	-	1	-		
Christchurch Marylebone H - - W.M.	33700	9	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. John Marylebone H - - W.M.	33833	14	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hampstead Ww HHHH - N.R. & W.M.	45452	25	23	8	2	-	1	3	6	-	-	1	-	-	1	4	10		
Regent's Park Panacea H - - W.M.	39115	20	14	-	8	-	-	-	-	-	-	1	-	-	1	1	-		
Tottenham-court WHHHH N.R. & W.M.	27729	13	15	2	3	-	-	-	3	-	-	-	-	-	2	2	11		
Gray's Inn Lane HHH - - - N.R.	30247	15	11	2	3	-	-	-	-	2	-	-	-	-	-	-	3		
Bomera Town HH - - - N.R.	34369	21	13	2	2	-	-	-	-	1	-	-	-	-	1	2	1		
Camden Town WH - - - N.R.	17811	8	12	3	4	-	-	-	1	-	-	-	-	-	1	2	6		
Kentish Town W - - - N.R.	87487	42	26	10	4	-	1	-	-	1	-	-	-	-	-	1	2		
Upper Holloway WwWHH - - N.R.	67946	52	51	8	12	-	-	-	1	1	-	-	-	-	-	1	24		
Islington South-west H - - N.R.	10976	39	26	8	4	-	1	1	1	-	-	-	-	-	-	3	-		
Islington South-east - - - N.R.	61825	84	32	13	9	-	-	-	-	-	-	-	-	-	3	3	-		
Highbury H - - - N.R.	52043	24	19	4	6	-	-	-	1	1	-	1	-	-	-	2	-		
Stoke Newington H - - - N.R.	29781	12	9	3	4	-	1	1	-	-	-	-	-	-	-	-	-		
Stamford Hill - - - E.L.	9277	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney H - - - N.R.	27610	21	13	4	2	-	-	-	-	-	-	-	-	-	2	3	2		
Hackney WwWHH - - - E.L. & N.R.	76911	48	40	8	12	-	2	1	4	1	-	1	-	-	1	3	16		
South Hackney - - - E.L.	39883	22	12	3	2	-	1	-	-	-	-	-	-	-	1	1	-		
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - - N.R.	16681	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - - - N.R.	14864	18	4	1	1	-	-	-	-	-	-	-	-	-	1	2	2		
St. Giles North H - - - N.R.	13837	1	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-		
St. Martin-in-the-Fields HH N.R. & C.	17608	7	9	2	1	-	-	-	-	-	-	1	-	-	-	1	5		
St. Mary-le-Strand H - - - N.R.	7515	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Danes H - - - N.R.	8559	-	2	-	1	-	-	-	-	-	-	-	-	-	1	1	2		
Strand Union Workhouse, Edmonton w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Geo.-the-Martyr HHHHHH N.R.	18671	12	14	5	1	-	-	-	1	-	-	-	-	-	-	1	8		
St. Andrew Eastern W - - - N.R.	10706	1	9	4	2	-	1	-	-	-	-	-	-	-	-	-	-		
Saffron Hill H - - - N.R.	6539	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - - - N.R.	17516	10	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell - - - N.R.	19291	9	5	2	1	-	-	-	-	-	-	-	-	-	-	-	1		
Pentonville - - - N.R.	14773	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Goswell-street - - - N.R.	17506	8	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
Old-street H - - - N.R.	11541	6	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HHL - - - N.R.	18623	15	7	1	3	-	-	-	1	-	-	1	-	-	-	-	-		
Whitecross-street - - - N.R.	9217	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
Finsbury - - - N.R.	7463	1	4	-	1	-	-	-	-	-	-	-	-	-	1	1	-		
Holborn Union Workhouse, Mitcham w.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - - - N.R. & E.L.	11174	3	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-		
Cripplegate - - - N.R.	7193	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - - - N.R.	5958	4	15	1	2	-	-	1	-	-	-	-	-	-	-	-	13		
St. Bride W - - - N.R.	8396	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Albion Barking - - - N.R.	13666	1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - - - N.R.	5692	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Warehouses Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts: G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.		Enu- mer- ated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of														
					Infants under 1 Year of Age.	Persons aged 80 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple acute undif- ferent fever.	Diarrhoea.	Violence.	Infectious Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.																			
Crediton South HL*	-	N.R.	22543	11	8	1	2	-	-	-	2	-	-	-	-	-	-	2	-
ton New Town W	-	N.R.	29937	23	22	8	11	-	-	-	-	-	-	-	-	-	1	10	-
ton Old Town	-	N.R.	28038	17	14	4	1	-	-	-	-	-	-	-	-	-	2	12	-
geraton WH	-	N.R. & E.L.	46275	23	25	3	10	-	-	1	-	-	-	-	-	-	-	-	-
onal Green North H	-	E.L.	51157	38	20	3	8	-	-	-	-	-	-	-	-	-	-	-	-
nal Green South	-	E.L.	34389	21	11	4	2	-	-	1	-	-	-	-	-	-	-	-	-
nal Green East WHL*	-	E.L.	41405	17	18	3	7	-	-	1	-	-	-	-	-	-	1	9	-
Helds	-	E.L. & N.R.	22685	12	4	2	-	-	-	-	-	-	-	-	-	-	-	-	2
End New Town W	-	E.L.	15473	24	14	2	6	-	-	-	1	-	-	-	-	-	-	-	-
techurch Church H	-	E.L. & N.R.	17490	10	17	2	1	-	-	1	-	-	1	-	-	-	-	10	15
dman's Fields	-	E.L.	26712	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gate	-	N.R. & E.L.	6102	4	3	-	1	-	-	(2)	-	-	-	-	-	-	-	-	-
George's, North	-	E.L.	38747	24	15	6	1	-	-	1	-	-	-	-	-	-	-	-	-
John, St. George East W	-	E.L.	8410	4	9	1	4	-	-	-	-	-	-	-	-	-	-	8	-
Jwell H	-	E.L. & N.R.	10385	10	11	3	-	-	-	1	-	-	-	1	-	-	4	5	8
Giff	-	E.L.	16107	6	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
house	-	E.L.	32041	23	18	4	1	-	-	6	-	-	-	-	-	-	-	-	1
End Old Town West H	-	E.L.	37960	24	16	7	2	-	-	4	-	-	1	-	-	-	-	3	-
End Old Town East WWH	-	E.L.	67658	45	40	4	13	-	-	2	-	-	-	-	-	-	2	8	1
L*	-	E.L.	37074	17	13	4	2	-	-	1	-	-	-	-	-	-	-	-	-
nley WWH	-	E.L.	64359	41	37	6	14	-	-	2	-	-	1	-	-	5	5	14	-
lar WWH	-	E.L.	55077	34	29	7	6	-	-	6	1	-	-	1	-	5	3	1	-
SOUTH DISTRICTS.																			
etchurch Southwark	-	L. & S.	18663	6	5	1	1	-	-	-	-	-	-	-	-	-	-	1	-
aviour Southwark	-	S.	14999	12	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
t-road	-	S. & L.	21881	10	6	1	-	-	-	1	-	-	-	-	-	-	-	-	-
ough-road WH	-	S. & L.	15053	12	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-
lon-road HL	-	S. & L.	21318	12	9	6	-	-	-	-	-	-	1	-	-	-	-	3	1
ry Newton	-	S. & L.	26372	15	12	3	4	-	-	1	-	-	-	-	-	-	1	2	-
Peter Walworth W	-	S. & L.	29555	35	24	9	4	-	-	1	-	-	1	-	-	-	-	2	-
Mary Newington	-	S. & S.	21233	18	13	2	1	-	-	3	1	-	-	1	-	-	-	-	-
Olave WH	-	S.	11956	11	14	1	-	-	-	-	-	-	-	-	-	1	1	11	-
ther Market	-	S. & L.	16890	5	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
James Bernonsey	-	S.	54692	16	6	-	3	-	-	-	-	-	-	-	-	-	-	4	-
erthie WH	-	S. & K.	38024	29	19	4	2	-	-	1	1	-	1	-	-	2	2	4	-
erthie WH	-	S. & K.	38024	29	19	4	2	-	-	1	-	-	1	-	-	1	1	4	-
erloo-road 1st H	-	L. & S.	15195	9	7	1	2	-	-	-	-	-	-	-	-	-	-	1	2
erloo-road 2nd H	-	L. & S.	16351	12	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
erth Church 1st H	-	L. & S.	13913	10	24	4	3	-	-	-	-	-	1	-	-	-	-	15	-
erth Church 2nd WH	-	L. & S.	39359	31	25	4	10	-	-	1	2	-	-	-	-	3	3	13	-
ington 1st	-	S. & L.	45223	30	14	4	6	-	-	-	-	-	1	-	-	-	-	1	1
ington 2nd	-	S. & L.	35332	22	10	3	1	-	-	2	-	-	-	-	-	-	-	-	-
ton W	-	L. & S.	62837	29	28	5	8	-	-	1	4	-	1	-	-	-	-	4	1
wood W	-	L.	19017	9	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Battersea	-	S.	54678	53	17	5	2	-	-	-	-	-	-	-	-	1	1	3	-
Battersea WWH	-	S.	52587	41	31	7	6	-	-	-	-	-	1	1	-	-	2	2	6
ham H	-	S.	36880	15	7	-	2	-	-	-	-	-	-	-	-	-	-	-	-
ndsworth WHL	-	S.	28004	17	14	6	1	-	-	2	-	-	2	-	-	-	2	3	-
ey	-	S.	13235	6	7	1	3	-	-	-	-	-	-	1	-	-	-	-	-
atham W	-	L.	26553	26	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-
rich	-	L. & S.	5590	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
berwell W & L*	-	S. & L.	59104	76	49	5	16	-	-	-	-	-	1	-	-	-	-	-	-
atham W	-	S., L. & K.	71089	41	36	6	10	-	-	2	-	-	-	-	-	1	1	24	2
George Camberwell	-	L. & S.	50810	46	26	12	2	-	-	1	-	-	-	-	-	-	-	-	-
Paul Deptford W	-	K.	76752	53	34	4	8	-	-	-	-	-	-	-	-	-	2	8	1
Nicholas Deptford	-	K.	7901	3	5	2	1	-	-	4	1	-	-	2	-	-	-	1	1
enwich West H	-	K.	21972	11	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-
enwich East WWH	-	K.	24605	20	23	-	12	-	-	1	-	-	-	-	-	2	2	12	-
am H	-	K.	5045	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
am H	-	K.	21559	9	7	2	3	-	-	-	-	-	-	-	-	-	-	-	-
atham WH	-	K.	19865	12	11	2	2	-	-	-	-	-	-	-	-	-	-	-	-
enham H	-	L.	26076	20	14	4	3	-	-	-	-	-	-	-	-	2	1	1	2
riton HH	-	K.	10930	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
lwich Dockyard	-	K.	17617	14	10	2	1	-	-	-	-	-	1	-	-	-	-	1	-
lwich Arsenal HH	-	K.	13944	13	17	3	2	-	-	5	-	-	2	-	-	-	-	-	-
instead, West H	-	K.	14009	10	6	3	2	-	-	1	-	-	-	-	-	-	-	-	-
instead, East W	-	K.	19241	24	18	5	3	-	-	1	-	-	-	-	-	-	-	4	1
Hospital Ships and Camp, Dartford																			
thmore Hill Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ham Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
nth Asylum	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-
resden Asylum	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	5	-
stead Asylum	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-
e Hill Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
well Asylum	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-
er Hatch Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
of London Asylum	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	7	-



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 22nd November, 1890

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include														
						Deaths of		Deaths from										Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.					
LONDON—OUTER RING		370,924	950,957	747	418	122	94	-	40	5	10	7	3	3	9	20	37			
80:1	Carshalton uL -	12228	21115	9	3	1	-	-	-	-	-	-	-	-	-	-	-			
2	Epsom (part of)* WwH	9971	10710	3	9	3	1	-	-	-	-	2	-	-	-	1	2			
37:1	Godstone (part of)* -	2754	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
38:1	Croydon Ww L -	20851	101341	44	46	8	17	-	1	1	4	2	-	1	-	2	7			
2	Mitcham w -	11697	17932	11	2	1	-	-	-	-	-	-	-	-	-	-	-			
39:1	Wimbledon HHH -	3220	15950	13	2	-	2	-	-	-	-	-	-	-	-	-	-			
2	Kingston WHH -	8549	36354	10	13	3	3	-	-	-	-	1	-	-	-	1	4			
3	Esher (part of)* -	6601	9221	10	4	-	2	-	-	-	-	-	-	-	-	-	-			
4	Hampton H -	4573	18339	6	2	-	1	-	-	-	-	-	-	-	-	-	-			
40:1	Richmond WH -	2272	21302	10	6	3	2	-	-	-	-	-	-	-	-	-	-			
2	Mortlake -	2941	12331	7	4	1	1	-	1	-	-	-	-	-	-	-	-			
41:1	Bromley(pt.of)*HHHH	15669	81142	32	7	3	2	-	-	-	-	-	-	-	-	-	-			
2	Chislehurst(pt.of)* WHH	14307	15344	9	4	1	1	-	-	-	-	-	-	-	1	1	1			
42:1	Bexley H -	13437	24134	21	7	1	2	-	-	-	1	-	-	-	1	1	-			
2	Dartford (Ww, pts. of)* -	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1			
124:1	Sunbury w -	11055	11683	14	3	-	-	-	-	-	-	-	-	-	-	-	-			
2	Staines W -	13277	12089	10	4	2	-	-	-	-	-	1	-	-	-	-	-			
125:1	Hillingdon WHH -	6029	10802	12	4	4	-	-	-	-	-	-	-	-	-	1	-			
2	Uxbridge -	6178	5225	6	2	1	1	-	-	-	-	-	-	-	-	-	-			
3	Hayes wHL -	14637	11523	6	4	-	3	-	1	-	-	-	-	-	-	-	1			
126:1	Isleworth WHH -	7008	22727	9	3	2	-	-	-	-	-	-	-	-	1	1	-			
2	Twickenham H -	2477	12479	10	1	-	1	-	-	-	-	-	-	-	-	-	-			
3	Brentford HL -	4345	27449	19	12	4	2	-	3	-	-	-	-	-	2	2	-			
4	Chislewick -	1340	15975	9	7	1	3	-	-	-	-	-	-	-	1	1	-			
5	Acton wH -	6083	22376	13	11	5	2	-	-	1	-	-	-	-	-	-	-			
127:1	Harrow H -	13809	12796	3	3	1	-	-	-	-	-	-	-	-	-	-	-			
2	Edgware H -	6994	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
3	Willesden -	4383	37453	33	21	7	6	-	-	-	-	-	-	-	-	1	-			
4	Hendon W -	8332	10434	13	9	2	4	-	1	-	-	-	-	-	-	1	6			
127:1	Bushey -	9331	6621	2	3	2	1	-	-	-	-	-	-	1	-	-	-			
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
128:1	South Mimms -	15599	6391	7	1	-	1	-	-	-	-	-	-	-	-	-	-			
2	Barnet -	5433	10093	4	4	1	-	-	2	-	-	-	-	-	-	-	-			
3	Finchley HL -	4633	17615	8	3	1	1	-	-	-	-	-	-	-	-	-	-			
129:1	Hatfield (part of)* -	8306	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
129:1	Hornsey H -	3039	27073	34	9	1	5	-	-	-	-	-	-	-	-	-	-			
2	Tottenham H -	4642	45454	44	22	9	8	-	1	-	-	-	-	-	-	4	1			
3	Edmonton Ww -	7453	13463	22	6	2	-	-	-	-	1	-	-	-	-	-	1			
4	Enfield WH -	12653	19104	19	11	4	-	-	4	-	-	-	-	-	-	-	2			
5	Waltham Abbey -	11017	5863	3	2	-	1	-	-	-	-	-	-	-	-	-	-			
6	Cheshunt H -	8490	7735	4	2	1	1	-	-	-	-	-	-	-	-	-	-			
130:1	Stratford -	832	35905	18	15	7	2	-	-	1	-	-	1	-	1	1	1			
2	West Ham wHHH	4055	90347	109	79	21	4	-	23	1	2	-	1	1	-	-	1			
3	East Ham w -	3296	10708	24	13	5	-	-	1	1	-	-	-	-	1	1	-			
4	Leyton WwL -	4372	32430	32	2	8	7	-	2	-	1	1	1	-	-	-	3			
5	Walthamstow H -	6530	26369	30	11	1	4	-	-	-	-	-	-	-	-	-	-			
137:1	Chigwell (part of)* H	11761	9639	7	3	1	1	-	-	-	-	-	-	-	-	-	-			
2	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
139:1	Romford (part of)* W	6730	3411	9	3	1	-	-	1	-	-	-	-	-	-	-	1			
2	Ilford -	8493	7645	3	5	-	1	-	-	-	1	-	-	-	-	-	-			
3	Barking Town -	4127	9203	13	4	-	-	-	-	-	-	-	-	-	1	1	-			

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 80: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37: 1, the parishes of Warrington and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139: 1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 43: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 22nd November, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public institutions.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.		
GREATER LONDON	448,334	5,758,500	19·3	2·5	2134	491	511	-	116	31	47	40	26	14	65	462		
INNER LONDON	77,410	4,421,661	20·2	2·4	1716	399	417	-	76	23	37	33	23	11	56	425		
OUTER RING	370,924	1,336,839	16·3	2·7	418	122	94	-	40	5	10	7	3	3	9	37		

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA	433,219	September 20	-	196	23·6	-	-	-	-	-	75	16†	
BOMBAY	775,196	October 28	320	346	19·4	-	-	?	?	?	80	27	
MADRAS	398,777	" 3	390	666	86·8	-	9	?	?	?	131	310†	
PARIS	2,260,945	November 15	1099	979	22·5	1	12	3	24*	2	18	64	
BRUSSELS (with 8 Faubourgs.)	477,288	" 15	248	173	18·8	5	4	1	-	2	2	13	
AMSTERDAM	406,562	" 8	220	163	20·9	-	4	-	8	1	1	-	
ROTTERDAM	203,486	" 8	141	79	20·1	-	-	-	-	2	-	-	
THE HAGUE	156,497	" 8	71	70	23·2	-	3	-	-	-	-	-	
COPENHAGEN	312,387	" 15	184	123	20·5	-	5	3	4	3	1	4	
STOCKHOLM	236,350	" 8	159	90	19·8	-	-	8	6*	1	-	4	
CHRISTIANIA	143,300	" 15	45	51	18·5	-	-	2	1	-	-	1	
S. PETERSBURG	924,466	" 1	-	365	20·6	17	-	15	12	4	5	29	
		" 8	-	399	22·5	16	2	18	5	1	8	28	
BERLIN	1,547,533	" 1	842	501	16·7	-	-	3	33	9	4	38	
HAMBURG (State)	691,647	" 8	421	234	20·6	-	1	1	6	2	5	32	
DRESDEN	269,250	" 8	135	90	17·4	-	-	1	5*	-	-	6	
BRESLAU	324,400	" 15	210	121	19·7	-	-	6	8*	3	-	6	
MUNICH	298,000	" 15	-	134	23·4	-	2	1	6*	2	-	17	
VIENNA	822,176	" 15	571	331	20·9	-	2	3	12	1	1	20	
PRAGUE	314,425	" 15	-	153	25·4	1	-	3	3	1	1	3	
BUDA-PESTH	463,017	" 8	268	233	26·2	-	1	10	23	-	3	12	
PRAGUE	160,092	" 15	105	70	22·7	-	-	-	3*	-	1	5	
ROME	417,392	October 18	-	-	-	-	-	-	-	-	-	-	
TURIN (10 days)	314,827	" 10	-	-	-	-	-	-	-	-	-	-	
VENICE	156,800	November 1	68	110	36·6	8	4	-	4*	-	1	4	
		" 8	76	99	32·9	21	4	-	3*	-	1	5	
CAIRO	374,838	October 16	349	293	40·6	-	-	-	2*	1	17	91	
ALEXANDRIA	231,396	" 16	167	144	32·4	-	-	-	2*	-	8	33	
NEW YORK	1,617,997	November 1	-	602	19·1	-	7	3	22	6	11	17	
BROOKLYN	871,852	" 1	-	362	21·5	-	1	10	15	4	7	3	
PHILADELPHIA	1,064,277	" 1	-	323	16·1	-	-	7	15	4	7	8	
BALTIMORE	500,343	" 1	-	151	15·7	-	-	1	5	-	5	1	
NEW ORLEANS	254,000	October 18	-	-	-	-	-	-	-	-	-	-	

\* Including deaths from croup.

† Including 3 deaths from cholera in Calcutta, and 188 in Madras.



TABLE 2.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 22ND NOVEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.  MONTH AND DAY.		Phases of the Moon.	BARO- METER.  Mean daily recor- ded and re- duced to Fahren- heit.	TEMPERATURE.					Difference between the Air Temperature and Low Point Temperature.				TEMPERATURE.				Wind as deduced from Anemometers.					Rain collected in a Gauge receiving surface 5 inches above the Ground.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				Of the Air.					Or the Low Point.		Degree of saturation (Satu- ration equals 100).		Of Radiation.		Of the Water at Deptford.		Oiler's.			Pressure on the Square Foot.			Robinson's.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				High- est.	Low- est.	Daily Range.	Mean value.	De- parture from Average value. 20 years.	Mean daily value.	Great- est.	Least.	High- est in Sun Ray.	Low- est on the Grass.	High- est.	Low- est.	A.M.	P.M.	Great- est.	Least.	Mean of 24 hours obs.	Horizontal Movement of the Air on each Day.		Miles. Average of the 10 years.	Miles. Average of the 10 years.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NOVEMBER.				in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°</

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean readings of the dry bulb thermometers is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cable Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P, positive; N, negative; w, weak; m, moderate; s, strong; and v, variable.

The numbers in column 23 derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 30.13 in. at the beginning of the week to 30.07 in. by 8h. P.M. on the 16th; increased to 30.31 in. by 8h. A.M. on the 20th, and decreased to 29.60 in.

## GENERAL REMARKS.

Generally overcast; slight rain in afternoon and evening.

Fine in early morning; dense fog between 7h. and 11h. next; fine with little cloud till evening; overcast at night.

Generally overcast; occasional rain.

Overcast.

Overcast generally.

Overcast till night, with frequent rain in evening; cloudless at night.

Fine and partially cloudy in morning; overcast afterwards; rain in evening and at night.

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Registered Sun above  
Sunshine, Horizon,  
in hours.

DATE.	ELECTRICITY. (For explanation of symbols, see Note.)	Registered Sun above Sunshine, Horizon, in hours.	Sum
NOVEMBER.			
SUNDAY 16	w. P. . . . .	0.1	8.8
MONDAY 17	w. P. generally . . . . .	1.6	8.7
TUESDAY 18	w. P. . . . .	0.0	8.7
WEDNESDAY 19	w. P. . . . .	0.0	8.6
THURSDAY 20	w. P. . . . .	0.0	8.6
FRIDAY 21	w. P. generally with m. N. between 7h. and 8h. P.M.	0.0	8.5
SATURDAY 22	w. P. . . . .	1.4	8.5
Sum		3.1	60.4

**OFFICIAL COPY.**

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

*Printed under the Superintendence of Her Majesty's Stationery Office,*  
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 48. 1890. VOL. LI.]      WEEK ENDING SATURDAY, NOVEMBER 29.      [Price 1½d.

*General Register Office, Somerset House,  
1st December, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·0 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Nov. 8.	Nov. 15.	Nov. 22.	Nov. 29.		Nov. 8.	Nov. 15.	Nov. 22.	Nov. 29.
Birkenhead	25·3	21·3	17·4	18·4	Liverpool -	24·1	21·8	21·1	18·7
Birmingham	20·2	19·4	18·3	18·4	London -	20·4	20·2	20·2	18·0
Blackburn -	22·8	18·1	27·9	21·1	Manchester -	29·3	31·1	33·4	30·2
Bolton	28·8	26·1	25·7	21·6	Newcastle-on-Tyne	22·7	25·9	21·4	21·8
Bradford -	21·9	21·9	18·0	16·5	Norwich -	24·1	20·8	21·3	17·0
Brighton -	12·7	16·9	15·2	19·0	Nottingham -	14·7	15·3	19·6	16·6
Bristol -	18·0	18·6	19·5	15·9	Oldham -	22·7	30·6	27·4	22·4
Cardiff -	25·0	20·9	25·0	19·2	Plymouth -	18·5	22·5	18·5	24·5
Derby	16·0	15·0	15·5	15·0	Portsmouth -	19·3	21·2	24·4	20·4
Halifax -	18·4	21·6	30·5	21·6	Preston -	22·8	24·8	17·4	26·8
Huddersfield	18·3	17·1	18·3	21·6	Salford -	18·5	23·7	24·9	15·5
Hull -	17·8	18·5	18·5	18·8	Sheffield -	20·7	22·2	25·1	19·4
Leeds -	20·8	22·9	23·4	19·2	Sunderland -	18·7	21·8	24·1	16·8
Leicester -	15·9	20·9	15·9	19·9	Wolverhampton -	21·3	19·4	20·0	20·6

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·7 in Sheffield, 2·9 in Manchester, 3·2 in Bolton and in Oldham, 3·5 in Preston, and 4·0 in Birkenhead; from *scarlet fever*, 1·1 in Salford and in Sheffield; from *whooping-cough*, 1·0 in Leicester and in Preston; and from "*fever*", 1·0 in Newcastle-upon-Tyne and 1·3 in Plymouth. The 58 deaths from *diphtheria* included 48 in London and 2 in Sheffield. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 1980 BIRTHS and 1527 DEATHS were registered. Allowing for increase of population, the births were 730, and the deaths 169, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20·2 in each of the preceding two weeks, declined last week to 18·0. During the past nine weeks of the current quarter the death-rate averaged 19·4 per 1000, exceeding by 0·1 per 1000 the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1527 deaths included 76 from measles, 27 from scarlet fever, 48 from diphtheria, 15 from whooping-cough, 12 from enteric fever, 2 from ill-defined forms of continued fever, 15 from diarrhoea and dysentery, and not one from small-pox, typhus, or cholera; thus, 196 deaths were referred to these diseases, being 15 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 9; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 63 and 76 in the preceding two weeks, were again 76 last week, exceeding the corrected average by 15. The fatal cases of *scarlet fever*, which had been 15 and 26 in the preceding two weeks, numbered 27 last week, and were 15 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2000 scarlet-fever patients at the end of last week, the numbers on the preceding three Saturdays having decreased from 2122 to 2059; 139 cases were admitted during the week, against 186 and 205 in the preceding two weeks. The deaths from *diphtheria*, which had been 29 and 37 in the preceding two weeks, further increased last week to 48, this number being double the corrected average, and higher than any weekly number on record excepting that in the forty-fifth week of this year, which was 50. The 15 deaths from *whooping-cough* were fewer than the number in any previous week of this year, and were 22 below the corrected average. The 16 deaths from *diarrhoea* and *dysentery* exceeded the number in the previous week by 5, and the corrected average by 3; 10 were of children under one year of age.

The deaths referred to *enteric fever*, which had been 29, 24, and 23 in the preceding three weeks, further declined last week to 12, being 9 below the corrected average. The Metropolitan Asylum Hospitals contained 185 cases of enteric fever, and one of typhus, on Saturday last; 18 cases of enteric fever were admitted during the week, against 24, 20, and 18 in the preceding three weeks.

Two deaths were primarily attributed to *influenza*, against 6 and 3 in the preceding two weeks.

The deaths referred to diseases of the respiratory organs, which had been 465 and 459 in the preceding two weeks, further declined last week to 375, and were 61 below the corrected average.

Different forms of violence caused 64 deaths, concerning all but 3 of which inquests were held. Of these 64 deaths, 10 were cases of suicide, while the remaining 54 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 8 by burns or scalds, 3 by poison, one by drowning, and 14 (including 9 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 2586 births and 1929 deaths were registered, corresponding to annual rates of 23·4 and 17·5 per 1000 of the estimated population. In the Outer Ring 21 deaths were referred to measles, 14 to diphtheria, 9 to scarlet fever, and 5 to "fever." Of the deaths from measles, 12 occurred in West Ham sub-district. The deaths from diphtheria included 4 in Leyton, 2 in Walthamstow, and 3 in Croydon sub-districts. Three deaths from scarlet fever occurred in Walthamstow sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·68 ins.; the lowest reading was 29·10 ins. on Monday morning, and the highest 30·11 ins. at the end of the week. The mean temperature of the *air* was 34°·3, and 6°·6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average on Sunday and on Monday, while it showed a deficiency on each of the other days of the week, amounting on Friday to 19°·1. The direction of the *wind* was variable, and the horizontal movement of the air averaged 15·9 miles per hour, which was 3·5 miles above the average in the corresponding weeks of 16 years. *Rain* or melted snow was measured on four days of the week, to the aggregate amount of 0·18 of an inch. The duration of registered bright sunshine in the week was 0·8 hours, against 5·2 hours at Glynde Place, Lewes.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 29th November 1890.

CITIES AND BOROUGH.	POPULATION estimated to the middle of the year 1880.		Registered during the Week ending 29th Nov., 1890.		The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.										RAINFALL.		CITIES AND BOROUGH.		
	1.	2.	3.	4.	5.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unclassified Causes of Death.	From All Weeks Deaths				Mean.				Inches.			In Cents.	
																	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	From All Causes.	Diseases 6-12.	Highest.	Lowest.	Fahrenheit.	Centigrade.					
28 TOWNS	9,715,559	4656	3532	777	819	-	172	64	58	42	41	51	135	266	696	87	19.0	2.3	58.6	16.5	36.0	2.22	0.68	1.73	-	28 TOWNS.			
LONDON	4,421,661	1080	1327	296	381	-	76	27	48	15	14	16	64	127	405	11	18.0	2.3	58.2	18.3	34.3	1.28	0.18	0.46	-	LONDON.			
BRIGHTON	122,659	34	45	9	14	-	-	-	-	-	-	-	-	-	7	1	19.0	1.7	55.3	17.0	34.1	1.17	0.21	0.53	-	BRIGHTON.			
PORTSMOUTH	142,952	70	56	16	16	-	-	-	-	-	-	-	-	-	9	1	20.4	0.7	57.5	16.5	35.7	2.06	0.11	0.28	-	PORTSMOUTH.			
NORWICH	45,352	41	31	7	13	-	-	-	-	-	-	-	-	-	2	-	17.0	1.6	-	-	-	-	-	-	-	NORWICH.			
PLYMOUTH	78,759	37	37	9	14	-	-	-	-	-	-	-	-	-	3	4	24.5	2.6	57.0	31.5	33.7	3.72	0.38	0.97	-	PLYMOUTH.			
BRISTOL	232,248	92	71	16	21	-	-	-	-	-	-	-	-	-	5	8	15.9	0.9	55.2	22.0	35.3	1.83	0.32	0.81	-	BRISTOL.			
WOLVERHAMPTON	83,406	54	33	8	7	-	-	-	-	-	-	-	-	-	3	-	20.6	0.6	58.6	20.9	35.9	2.17	0.63	1.60	-	WOLVERHAMPTON.			
BIRMINGHAM	461,965	207	163	47	36	-	3	1	1	5	3	2	7	13	27	9	18.4	1.7	-	-	-	-	-	-	-	BIRMINGHAM.			
LEICESTER	154,334	82	59	12	15	-	-	-	-	3	1	-	-	-	7	7	10.9	2.0	-	-	-	-	-	-	-	LEICESTER.			
NOTTINGHAM	244,969	93	78	9	26	-	1	1	1	2	2	1	-	1	20	1	16.6	1.7	56.1	25.3	36.5	2.50	0.92	2.34	-	NOTTINGHAM.			
DERBY	100,371	53	29	3	6	-	-	-	-	-	-	-	-	-	6	-	15.0	0.5	-	-	-	-	-	-	-	DERBY.			
BIRKENHEAD	105,019	50	37	11	5	-	-	-	-	-	-	-	-	-	-	-	18.4	4.0	-	-	-	-	-	-	-	BIRKENHEAD.			
LIVERPOOL	613,463	292	220	51	44	-	2	11	-	4	4	4	8	12	41	20	18.7	2.1	55.0	27.0	35.0	1.67	0.70	1.78	-	LIVERPOOL.			
BOLTON	115,816	68	48	11	14	-	7	-	-	-	-	-	3	2	5	3	21.6	4.5	-	-	-	-	-	-	-	BOLTON.			
MANCHESTER†	379,437	226	220	46	39	-	21	5	1	-	3	5	10	27	46	9	30.2	4.8	-	-	-	-	-	-	-	MANCHESTER.			
SALFORD	242,509	117	72	20	14	-	3	5	1	-	-	1	2	5	11	5	15.5	2.2	-	-	-	-	-	-	-	SALFORD.			
OLDHAM	146,716	81	63	16	14	-	-	-	-	1	-	-	-	-	7	1	23.4	3.6	-	-	-	-	-	-	-	OLDHAM.			
BLACKBURN	123,553	60	50	13	12	-	-	-	-	-	-	-	-	-	3	7	24	21.1	1.3	-	-	-	-	-	-	BLACKBURN.			
PRESTON	105,163	65	54	15	12	-	-	-	-	-	2	1	3	1	7	1	26.8	5.5	-	-	-	-	-	-	-	PRESTON.			
HUDDERSFIELD†	94,253	38	39	16	7	-	-	-	-	-	-	-	-	-	1	1	21.6	0.0	-	-	-	-	-	-	-	HUDDERSFIELD.			
HALIFAX	82,034	32	34	4	6	-	-	-	-	-	-	-	-	-	2	4	21.6	1.3	-	-	-	-	-	-	-	HALIFAX.			
BRADFORD	240,515	94	76	14	13	-	-	-	-	-	-	-	-	-	3	10	16.5	2.8	56.2	27.0	38.8	3.78	0.95	2.41	-	BRADFORD.			
LEEDS	363,799	213	134	33	31	-	7	1	1	2	2	3	4	8	16	2	19.2	2.3	-	-	-	-	-	-	-	LEEDS.			
SHEFFIELD	332,837	173	124	35	13	-	11	7	2	-	2	-	3	3	3	8	19.4	3.4	-	-	-	-	-	-	-	SHEFFIELD.			
HULL	213,833	112	77	18	17	-	-	-	-	-	-	-	-	-	6	11	5	18.8	1.2	54.0	23.0	35.0	1.67	1.63	4.14	-	HULL.		
SUNDERLAND	186,566	82	44	13	8	-	-	-	-	-	-	-	-	-	1	5	16.8	2.3	50.0	22.0	36.4	2.44	1.45	3.68	-	SUNDERLAND.			
NEWCASTLE	182,987	126	63	15	19	-	-	-	-	-	-	-	-	-	7	10	21.3	1.9	-	-	-	-	-	-	-	NEWCASTLE.			
CARDIFF	117,012	84	43	14	2	-	-	-	-	-	-	-	-	-	4	10	1	19.2	0.9	-	-	-	-	-	-	CARDIFF.			
EDINBURGH	271,135	150	80	14	19	-	1	2	8	2	2	-	-	-	?	14	13	15.4	1.9	51.5	21.0	35.1	1.72	0.70	1.78	-	EDINBURGH.		
GLASGOW	530,208	351	252	52	37	-	-	4	8	15	4	6	8	?	?	48	33	24.8	5.0	-	-	-	-	-	-	-	GLASGOW.		
DUBLIN	353,682	147	165	22	40	-	-	-	-	3	11	3	5	5	5	21	21	24.4	2.5	57.0	13.4	37.1	2.83	0.99	2.51	-	DUBLIN.		

† The recent extension of this borough will not be taken into account in the Weekly Returns until 1891.

\* See note on first page of this Return.



**TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-EIGHTH Week of each of the Eleven Years, 1880-90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2442	2508	2535	2423	2587	2656	2414	2599	2367	2321	2710·1	1930
Males . .	1256	1280	1315	1239	1327	1398	1242	1307	1180	1202	1390·0	1009
Females .	1186	1228	1220	1184	1260	1258	1172	1292	1187	1119	1320·1	971
<b>TOTAL Deaths</b>	1446	1460	1605	1655	1716	1544	1618	1705	1352	1448	1695·6	1527
Males . .	733	734	863	839	864	815	812	843	685	729	863·7	767
Females .	713	726	742	816	852	729	806	859	667	719	831·9	760

\* The numbers in this column are the average weekly numbers in the forty-eighth weeks of the ten years 1880-89, raised by 9·046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

	Sept. 6.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.	Nov. 22.	Nov. 29.
<b>TOTAL Births</b> - -	2469	2539	2355	2458	2433	2409	2412	2512	2295	2173	2321	2206	1930
<b>TOTAL Deaths</b> - -	1514	1410	1375	1458	1413	1472	1741	1649	1817	1734	1709	1716	1527
<b>Ages at Death</b> {													
0-20 years -	796	687	667	740	726	747	870	835	827	785	758	789	662
20-40 " -	177	183	200	182	170	180	204	200	206	222	239	226	207
40-60 " -	240	238	214	236	223	240	316	264	333	331	296	283	277
60-80 " -	245	256	232	256	253	254	281	296	372	318	343	350	300
80 years & upwards	56	46	62	44	41	51	70	51	76	78	73	68	81
<b>"</b> {													
Under 1 year -	459	395	376	459	433	435	491	429	413	393	392	369	296
1-5 -	247	217	207	207	193	213	260	306	303	283	257	308	263
5-20 -	90	75	64	104	100	93	119	100	111	109	109	112	100
<b>Deaths from Small-pox</b> -	-	-	-	1	-	-	-	-	-	-	-	-	-
" " Measles -	56	39	33	22	30	38	59	70	95	74	63	76	76
" " Scarlet fever -	18	18	14	16	20	20	20	29	16	23	15	26	27
" " Diphtheria -	16	18	35	38	28	38	41	23	26	50	29	37	48
" " Whooping-cough -	46	35	38	29	13	29	30	28	19	20	25	33	15
" " Typhus -	-	1	-	-	-	-	-	-	-	-	1	-	-
" " Enteric fever -	18	18	21	18	24	24	21	15	26	29	24	23	12
" " Simple Cont'd fever -	1	-	-	2	1	1	2	1	-	-	-	-	2
" " Diarrhœa and Dysentery -	128	117	91	86	105	94	75	55	43	26	19	11	16
" " Cholera -	5	5	3	6	3	2	2	-	-	-	1	-	-
" " all the above-mentioned Diseases -	288	251	238	218	229	246	250	221	225	222	177	206	196
" " Dis. of Respiratory System -	180	210	187	222	262	197	340	417	450	465	465	459	375
" " Phthisis -	139	136	157	130	123	147	204	139	189	153	174	184	151
" " Dis. of Circulatory System -	120	114	136	104	100	123	144	151	156	141	139	134	130
<b>Violent Deaths</b> - -	54	55	43	52	61	49	52	50	57	65	55	56	64
<b>Inquest Cases</b> - -	98	109	83	103	107	113	123	114	119	143	131	109	127
<b>Deaths in Public Institutions</b>	391	360	360	377	335	346	357	382	395	432	410	426	405
<b>TEMPERATURE OF THE AIR</b>													
Mean -	58·4	59·4	60·4	58·8	56·7	54·3	47·7	43·2	43·6	45·2	44·5	50·0	34·3
Mean of Highest readings -	71·0	73·2	71·7	69·2	66·3	64·1	56·5	54·4	50·4	51·7	52·4	54·0	39·8
Mean of Lowest readings -	48·4	48·2	51·0	50·9	49·3	45·5	39·8	43·2	36·3	39·0	37·3	45·1	28·9
<b>Humidity of the Air</b> - -	83	79	74	83	76	82	82	83	85	82	83	90	82
<b>Rain-fall in inches</b> - -	0·00	0·00	0·34	0·31	00·0	0·33	0·20	0·45	0·23	0·77	0·28	0·19	0·18
<b>Registered Sunshine (in hours)</b>	26·8	48·6	50·7	24·9	36·9	36·5	16·0	8·8	12·6	16·4	16·2	3·1	0·8

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrothley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIlansborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-EIGHTH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 48th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 29th November 1890.										CAUSES OF DEATH.	Corrected Averages for the 48th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 29th November 1890.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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ALL CAUSES - -	1695*6	1527	296	266	100	207	277	300	81			Diseases of Organs of Special Sense † - -	3*8	3	2	-	-	-	1	-	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9\*046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence as to inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



## Deaths from some Zymotic and other Causes.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																		
REGISTRATION		Enu- merated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths of		Deaths from												Deaths in Public Institutions.	Unclassified Causes
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON		3,815,704	1980	1527	296	381	-	76	27	48	15	-	12	2	16	64	127	405		
WEST DISTRICTS		669,638	287	279	38	85	-	8	4	12	2	-	1	-	-	17	31	93		
NORTH DISTRICTS		905,947	448	336	66	90	-	12	10	14	2	-	1	-	6	12	24	83		
CENTRAL DISTRICTS		282,238	113	93	22	15	-	2	1	-	-	-	1	1	1	6	13	21		
EAST DISTRICTS		692,738	370	295	64	66	-	19	5	6	3	-	4	-	3	13	34	86		
SOUTH DISTRICTS		1,265,148	762	499	106	120	-	35	4	16	8	-	5	-	6	15	24	92		
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	25	-	5	-	-	3	-	-	-	-	1	-	1	1	25		
WEST DISTRICTS.																				
St. Mary Paddington WHH G.J. & W.M.		69888	51	21	5	5	-	-	-	-	-	-	-	-	-	1	5	1		
St. John Paddington H - G.J.		87390	7	17	1	5	-	-	-	-	-	-	-	-	-	3	4	11		
Kensington Town W - W.M.		120141	53	40	7	20	-	-	1	-	-	-	-	-	-	1	2	16		
Brompton H - W.M. & C.		48010	8	19	2	4	-	-	-	-	-	-	-	-	-	1	1	6		
St. Peter Hammersmith - W.M.		7599	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.		64340	88	35	2	3	-	4	-	4	1	-	1	-	-	2	4	3		
Fulham W - W.M. & C.		42900	46	36	10	5	-	3	2	2	1	-	-	-	-	1	6	11		
Chelsea Kensal Town - C.		15049	16	7	1	3	-	-	-	-	-	-	-	-	-	1	2	-		
Chelsea North WHHHH - C.		42683	12	20	1	10	-	-	1	-	-	-	-	-	-	1	1	8		
Chelsea South HHH - C.		30396	11	15	1	5	-	-	-	4	-	-	-	-	-	1	1	5		
May Fair W - G.J.		80353	6	17	3	9	-	-	-	-	-	-	-	-	-	-	-	15		
Belgrave WHHH - C.		59220	12	27	2	5	-	-	1	-	-	-	-	-	-	5	5	12		
St. John Westminster HHH - C.		35496	7	10	1	4	-	-	-	-	-	-	-	-	-	-	-	1		
St. Margaret Westminster H - C.		24679	6	7	1	1	-	1	1	-	-	-	-	-	-	-	-	3		
St. James Westminster WHH N.R. & G.J.		29941	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
St. Anne Soho HHHHHH - N.R.		18608	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
NORTH DISTRICTS.																				
All Souls Marylebone HHHHH W.M.		26789	6	14	3	3	-	-	-	-	-	-	-	-	-	1	1	7		
Cavendish Square HHHH - W.M.		14891	4	3	-	2	-	-	-	-	-	-	-	-	-	1	3	-		
Rectory Marylebone W - G.J. & W.M.		24809	10	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. Mary Marylebone HHHH G.J. & W.M.		83700	18	4	1	2	-	-	-	1	-	-	-	-	-	-	-	-		
Christchurch Marylebone H - W.M.		83700	16	8	5	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. John Marylebone H - W.M.		83638	15	10	2	6	-	-	-	-	-	-	-	-	-	-	-	-		
Hampstead WcHHHH - N.R. & W.M.		45452	28	21	4	4	-	3	3	-	-	-	-	-	-	1	5	-		
Regent's Park Pancras H - W.M.		89115	17	10	2	4	-	-	-	-	-	-	-	-	1	1	-	-		
Tottenham-court WHHHH N.R. & W.M.		27729	7	17	3	8	-	-	-	1	-	-	-	-	-	-	-	13		
Gray's Inn Lane HHH - N.R.		30247	11	15	1	2	-	1	-	-	-	-	-	-	-	3	5	7		
Somers Town HH - N.R.		34359	13	6	1	-	-	-	-	1	-	-	-	-	-	-	-	1		
Camden Town WH - N.R.		17811	15	14	-	10	-	-	-	-	-	-	-	-	1	2	2	12		
Kentish Town W - N.R.		87437	29	27	2	11	-	-	1	-	-	-	-	-	-	-	-	8		
Upper Holloway WWHH - N.R.		67946	40	33	10	10	-	-	3	1	-	-	-	-	1	1	2	13		
Islington South-west H - N.R.		100976	49	34	7	11	-	2	2	-	-	-	-	-	1	1	2	-		
Islington South-east - N.R.		61825	32	10	2	3	-	-	-	-	-	-	-	-	-	-	-	-		
Highbury H - N.R.		62048	19	17	1	5	-	-	-	-	-	-	-	-	-	-	-	1		
Stoke Newington H - N.R.		22781	10	6	3	-	-	-	-	-	-	-	1	-	-	-	-	-		
Stamford Hill - E.L.		9277	10	6	1	2	-	-	-	-	-	-	-	-	-	-	-	3		
West Hackney H - N.R.		87610	22	14	3	3	-	1	1	1	-	-	-	-	-	-	-	14		
Hackney WcWHH - E.L. & N.R.		76911	63	40	8	7	-	4	3	4	-	-	-	-	-	2	4	-		
South Hackney - E.L.		39883	24	14	5	1	-	4	-	-	-	-	-	-	1	-	-	-		
CENTRAL DISTRICTS.																				
St. George Bloomsbury - N.R.		16681	4	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH - N.R.		14864	16	8	2	2	-	-	-	-	-	-	-	-	-	-	-	3		
St. Giles North H - N.R.		18837	4	4	1	-	-	2	-	-	-	-	-	-	-	1	1	-		
St. Martin-in-the-Fields HH N.R. & C.		17508	5	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Mary-le-Strand H - N.R.		7515	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	2		
St. Clement Danes H - N.R.		8569	8	7	1	2	-	-	-	-	-	-	-	-	-	-	-	2		
Strand Union Workhouse, Edmonton w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Geo.-the-Martyr HHHHHH N.R.		18671	3	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Andrew Eastern W - N.R.		10706	3	3	2	1	-	-	-	-	-	-	-	-	-	-	1	3		
Saffron Hill H - N.R.		6583	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
St. James Clerkenwell - N.R.		17616	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell - N.R.		19231	5	8	2	2	-	-	1	-	-	-	1	-	-	-	-	-		
Pentonville - N.R.		14773	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Goswell-street - N.R.		17596	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Old-street H - N.R.		11541	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HHL - N.R.		18628	22	10	4	-	-	-	-	-	-	-	-	-	-	1	1	1		
Whitecross-street - N.R.		9217	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury - N.R.		7493	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Holborn Union Workhouse, Mitcham w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - N.R. & E.L.		11174	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate - N.R.		7193	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - N.R.		5398	1	11	2	1	-	-	-	-	-	-	-	-	-	3	5	8		
St. Bride W - N.R.		8396	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	1		
Allhallows Barking - N.R.		13686	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - N.R.		5662	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M., West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DYPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT  
day, 29th November, 1890.

[illegible]



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 29th November, 1890.

Dis- trict and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include																
						Deaths of		Deaths from														
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.				
LONDON—OUTER RING						370,024	950,957	606	402	102	91	-	21	9	14	3	5	2	10	20	32	13
30: 1	Carshalton wL -	12228	21118	10	8	3	3	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
2	Epsom (part of)* WwH	9971	10710	3	8	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
37: 1	Godstone (part of)* -	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38: 1	Croydon Ww L -	20851	101241	56	23	10	5	-	-	-	-	3	-	-	-	-	-	-	-	1	3	-
2	Mitcham w -	11697	17932	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39: 1	Wimbledon HHH -	3220	15950	11	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2	Kingston WHH -	8549	36354	23	11	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
3	Esher (part of)* -	6901	9221	2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Hampton H -	4573	13539	6	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40: 1	Richmond WH -	2272	21302	7	5	-	3	-	1	-	-	-	-	-	-	-	-	1	1	1	-	-
2	Mortlake -	2941	12331	6	6	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
41: 1	Bromley (pt. of)* HHHH	15639	31142	13	11	2	6	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1
2	Chislehurst (pt. of)* WHH	14307	15844	12	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42: 1	Bexley H -	18437	24134	19	11	6	1	-	-	-	-	-	-	-	-	-	-	2	2	-	-	3
2	Dartford (Ww, pls. of)* -	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
124: 1	Sunbury w -	11055	11636	9	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Staines W -	13277	12089	2	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
125: 1	Hillingdon WHH -	6020	10802	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Uxbridge -	6178	3225	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Hayes wHL -	14687	11523	12	6	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
126: 1	Isleworth WHH -	7003	22727	9	10	-	4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3
2	Twickenham H -	2477	12479	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Brentford HL -	4345	27649	18	7	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Chiswick -	1340	15975	12	11	3	1	-	1	-	-	-	-	-	-	-	-	1	1	-	-	-
5	Acton wH -	6063	22376	11	5	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
127: 1	Harrow H -	13809	12796	5	6	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Edgware H -	6994	3749	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Willersden -	4383	27453	24	19	5	2	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-
4	Hendon W -	8332	10494	1	6	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-
137: 1	Bushy -	9331	6621	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138: 1	South Mimms -	15589	6391	2	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
2	Barnet -	7433	10992	12	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
3	Finchley HL -	4683	17615	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139: 1	Hatfield (part of)* -	3306	583	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128: 1	Hornsey H -	3039	37073	14	9	2	1	-	-	1	-	-	-	1	-	-	-	-	1	-	-	-
2	Tottenham H -	4642	46456	59	23	7	3	-	-	-	-	1	1	-	-	-	-	1	3	1	-	-
3	Edmonton Ww -	7453	23463	15	9	2	3	-	-	-	-	-	-	-	-	-	-	-	2	3	-	-
4	Enfield WH -	12653	19104	12	11	2	3	-	-	2	-	-	-	-	-	-	-	-	-	-	2	-
5	Waltham Abbey -	11017	5338	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Cheshunt H -	8480	7735	1	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136: 1	Stratford -	882	33603	29	14	4	3	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-
2	West Ham wHHH -	4055	90347	69	72	16	7	-	12	2	1	-	2	-	-	-	1	1	1	1	4	-
3	East Ham ww -	3296	10706	19	6	-	2	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
4	Leyton WwL -	4372	32430	32	24	6	5	-	1	-	4	-	-	-	-	-	-	-	-	-	6	1
5	Walthamstow H -	5520	23563	25	22	8	4	-	-	-	3	2	2	-	1	1	1	1	-	-	-	-
137: 1	Chigwell (part of)* H	11761	9939	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139: 1	Romford (part of)* W	6730	3411	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Ilford -	3493	7645	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town -	4127	9233	14	8	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-

\* The parcs of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—  
29: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Northaw in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 29th November, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include															
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from													
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.					
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.					
GREATER LONDON	448,334	5,758,500	17.5	2.3	1929	393	472	-	97	33	62	18	19	18	74	437					
INNER LONDON -	77,110	4,421,601	18.0	2.3	1527	295	381	-	75	27	43	15	14	16	64	405					
OUTER RING -	370,924	1,336,899	15.7	2.1	402	102	91	-	21	9	14	3	5	2	10	32					

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
ALICUTTA	433,219	September 27	-	-	-	-	-	-	-	-	-	-	-
BOMBAY	773,196	November 5	366	343	19.2	-	1	?	?	?	103	20†	
MADRAS	398,777	October 10	390	391	50.9	1	2	?	?	?	100	10†	
PARIS	2,260,945	November 22	1112	804	19.9	1	13	4	27*	6	18	59	
RUSSELS (in 8 Faubourgs.)	477,288	" 22	263	193	21.3	3	6	-	-	2	4	11	
AMSTERDAM	406,502	" 15	241	163	21.5	-	1	1	7	3	1	-	
ROTTERDAM	203,486	" 15	189	80	20.4	-	2	-	-	-	-	1	
THE HAGUE	156,407	" 15	93	62	20.6	-	1	-	-	-	-	-	
COPENHAGEN	312,387	" 22	220	103	17.2	-	4	2	7	3	-	1	
STOCKHOLM	236,350	" 15	138	85	18.7	-	-	8	7*	1	1	4	
CHRISTIANIA	143,300	" 22	30	39	14.2	-	-	2	7	-	-	3	
PETERSBURG	924,406	" 15	-	365	20.6	8	3	16	12	2	10	25	
BERLIN	1,547,533	" 8	907	521	17.3	-	2	-	29	7	2	26	
HAMBURG (State)	591,647	" 15	391	256	22.6	-	2	2	11*	1	2	19	
BRESLEN	269,250	" 15	163	68	13.1	-	-	1	1	-	1	1	
BRISLAU	324,400	" 22	236	169	27.5	-	2	10	9	-	-	2	
BRUNNICH	298,000	" 22	-	150	26.2	-	1	4	7*	2	-	21	
BRUNNA	322,176	" 22	493	319	20.2	3	2	2	15	2	1	13	
BUDAPEST	314,425	" 22	-	148	24.5	2	-	4	4	4	1	5	
BUENOS AIRES	463,017	" 15	321	223	25.0	-	-	12	15	1	3	15	
BUENOS AIRES	160,092	" 22	83	73	23.7	-	-	-	5*	-	-	3	
CHICAGO	417,392	October 18	195	152	18.2	-	-	-	3	-	10†	23	
CHICAGO (10 days)	314,827	" 10	-	-	-	-	-	-	-	-	-	-	
CHICAGO	156,800	November 15	76	119	39.6	23	3	-	-	-	1	13	
CHICAGO	374,838	October 23	-	-	-	-	-	-	-	-	-	-	
ALEXANDRIA	231,396	" 23	-	-	-	-	-	-	-	-	-	-	
NEW YORK	1,617,997	November 8	-	671	21.2	-	13	11	19	10	10	20	
BROOKLYN	871,852	" 8	-	340	20.2	-	1	8	15	4	13	9	
PHILADELPHIA	1,064,277	" 8	-	343	17.0	-	-	6	23	3	8	2	
PHILADELPHIA	500,343	" 8	-	142	14.8	-	-	-	14	1	2	5	
NEW ORLEANS	254,000	October 18	-	136	27.9	-	-	-	1	1	3	7	
NEW ORLEANS		" 25	-	107	21.8	-	-	-	1	-	2	8	

\* Including deaths from croup.

† Including 1 death from cholera in Bombay, and 33 in Madras;

‡ Including 8 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 29TH NOVEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.			Difference between the Air Temperature and Dew-Point Temperature.			TEMPERATURE.			Wind as deduced from Anemometers.			Rain collected in a Gauge whose surface is 5 inches above the level of the Ground.											
Phases of the Moon.	Baro- metry.	Of the Air.			Of the Dew-Point.	Degree of radiation (Scale 100).		Of Radiation.		Of the Water of the Thames at Deptford.	Order's.		Pressure on the Square Foot.	Robinson's.											
		High- est.	Low- est.	Mean value.		De- parture from average value, 24 years.	High- est.	Low- est.	Mean of 24 hours.		General Direction.	Great- est.		Least.	Horizontal Movements of the Air on each Day.	Vertical Movements of the Air on each Day.									
NOVEMBER.																									
SUN. . 23	..	58.2	49.0	•	•	4.3	0.3	•	86	50.9	45.5	48.7	47.4	WSW. & W.	WSW.	lbs. 7.4	lbs. 2.5	Miles. 738	Miles. +439	0.0					
MON. . 24	..	55.3	35.3	•	•	4.6	7.4	•	86	53.9	30.0	43.6	47.5	WSW. & WSW.	WSW. & WSW.	10.0	0.0	1.7	562	+264	0.0				
TUES. . 25	..	41.3	31.0	•	•	33.5	2.7	4.6	90	52.2	25.1	48.6	47.1	WSW. & N.	WSW. & N.	2.9	0.0	0.2	322	+25	0.0				
WED. . 26	Full.	33.3	26.0	•	•	24.1	5.6	7.0	79	46.8	23.0	47.4	46.4	(N.E.)	(N.E. & NNE.)	1.5	0.0	0.3	401	+105	0.0				
THURS. . 27	..	30.3	21.8	•	•	17.7	8.8	15.3	67	37.5	20.2	44.9	43.4	N. & NNE.	N.E. & NNE.	1.9	0.0	0.3	351	+55	0.0				
FRI. . 28	..	26.9	18.3	•	•	16.4	5.4	14.2	73	38.3	18.1	41.6	39.9	N.E. & ESE.	ESE. & N.E.	0.4	0.0	0.0	141	-156	0.0				
SAT. . 29	Greatest Dec. N.	33.2	20.6	•	•	25.0	3.8	6.5	85	33.2	20.6	42.0	40.4	N. & NNE.	NNE.	1.0	0.0	0.0	153	-145	0.0				
MEANS	•	30.8	28.9	•	•	29.3	4.9	8.8	82	43.7	26.1	43.0	44.4	Variable.	Variable.	•	•	•	Sum 2683	Sum +587	0.0				
No. of Col. .	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

## GENERAL REMARKS.

DATE.	REGISTERED SUN ABOVE SHINE, HORIZON, in hours.	ELECTRICITY. (For explanation of symbols, see Note.)	GENERAL REMARKS.
SUNDAY . 23	0.0	W. P. . . .	Overcast. Windy.
MONDAY . 24	0.0	W. P. generally	Showery in morning; a violent squall of wind at 3h. A.M.; cloudy till evening; cloudless at night.
TUESDAY . 25	0.0	W. P. in morning; W. P. afterwards.	Cloudless with hoar frost in morning; cloudy with occasional slight rain till evening; variable at night.
WEDNESDAY . 26	0.8	W. P. in morning; m. P. afterwards.	Fine with hoar frost in morning; partially cloudy afterwards; a little snow in morning and at night.
THURSDAY . 27	0.0	m. P. generally	Generally overcast till afternoon, with frequent light snow; variable afterwards.
FRIDAY . 28	0.0	W. P. in morning; m. P. afterwards.	Overcast generally; frequent snow. The mean temperature of this day was 33.1 below that of November 23 (see column 8).
SATURDAY . 29	0.0	m. P. generally till till evening; a. P. at night.	Overcast, till night; then partially cloudy.
Sum	0.8	Sum	58.0

The height of the cistern of the barometer is 139 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1876.

In reading the columns 9 and 25 it will be borne in mind that a indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cable Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, from midnight to midnight.

The reading of the barometer decreased from 29.60 in. at the beginning of the week to 29.50 in. at the end of the week, increased to 29.67 in. by noon on the 29th, and to 29.72 in. at the end of the week.

OFFICIAL COPY.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 49. 1890. VOL. LI.] WEEK ENDING SATURDAY, DECEMBER 6. [Price 1½d.

General Register Office, Somerset House,  
8th December, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21·5 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Nov. 15.	Nov. 22.	Nov. 29.	Dec. 6.		Nov. 15.	Nov. 22.	Nov. 29.	Dec. 6.
Birkenhead	21·3	17·4	18·4	26·8	Liverpool -	21·8	21·1	18·7	24·7
Birmingham	19·4	18·3	18·4	21·0	London -	20·2	20·2	18·0	20·4
Blackburn -	18·1	27·9	21·1	20·3	Manchester -	31·1	33·4	30·2	28·2
Bolton -	26·1	25·7	21·6	27·9	Newcastle-on-Tyne	25·9	21·4	21·8	24·3
Bradford -	21·9	18·0	16·5	16·7	Norwich -	20·8	21·3	17·0	23·5
Brighton -	16·9	15·2	19·0	16·0	Nottingham -	15·3	19·6	16·6	16·2
Bristol -	18·6	19·5	15·9	21·1	Oldham -	30·6	27·4	22·4	25·6
Cardiff	20·9	25·0	19·2	22·3	Plymouth -	22·5	18·5	24·5	20·5
Derby -	15·0	15·5	15·0	17·1	Portsmouth -	20·8	24·4	20·4	19·7
Halifax -	21·6	30·5	21·6	29·9	Preston -	24·8	17·4	26·8	36·2
Huddersfield	17·1	18·3	21·6	21·0	Salford -	23·7	24·9	15·5	22·8
Hull -	18·5	18·5	18·8	12·7	Sheffield -	22·2	25·1	19·4	23·7
Leeds -	22·9	23·4	19·2	21·6	Sunderland	21·8	24·1	16·8	26·4
Leicester -	20·9	15·9	19·9	19·9	Wolverhampton -	19·4	20·0	20·6	18·8

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 1·8 in Bristol, 2·6 in Manchester, 2·7 in Bolton, 2·8 in Oldham, and 3·5 in Preston and in Birkenhead; from *scarlet fever*, 1·1 in Sunderland, 1·3 in Blackburn, and 1·4 in Liverpool; and from *whooping-cough*, 1·5 in Preston and in Sunderland, and 2·2 in Norwich. The rate from "*fever*" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 63 deaths from *diphtheria* included 41 in London, 6 in Manchester, 5 in Salford, 3 in Portsmouth, 2 in Liverpool, and 2 in Birmingham. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2240 BIRTHS and 1733 DEATHS were registered. Allowing for increase of population, the births were 431, and the deaths 2, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20·2 and 18·0 in the preceding two weeks, rose last week to 20·4. During the past ten weeks of the current quarter

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



the death-rate averaged 19·5 per 1000, exceeding by 0·1 per 1000 the mean rate in the corresponding periods of the ten years 1880-89.

The 1733 deaths included 91 from measles, 23 from scarlet fever, 41 from diphtheria, 28 from whooping-cough, one from typhus, 16 from enteric fever, 4 from diarrhoea and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 204 deaths were referred to these diseases, being 18 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 9; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 76 in each of the preceding two weeks, increased last week to 91, and exceeded the corrected average by 26. The fatal cases of *scarlet fever*, which had been 26 and 27 in the preceding two weeks, declined last week to 23, and were 16 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1913 scarlet-fever patients at the end of last week, the numbers on the preceding four Saturdays having decreased from 2122 to 2000; 151 cases were admitted during the week, against 205 and 139 in the preceding two weeks. The 41 deaths from *diphtheria*, though fewer than the number in the previous week, were 14 in excess of the corrected average. The deaths from *whooping-cough*, which had been 33 and 15 in the preceding two weeks, increased again last week to 28, but were 16 below the corrected average. The 4 deaths from *diarrhoea* and *dysentery* were fewer than the number in any week since the beginning of February, and were but one-fourth of the corrected average.

The deaths referred to *enteric fever*, which had been 23 and 12 in the preceding two weeks, numbered 16 last week, and were 4 below the corrected average. The Metropolitan Asylum Hospitals contained 176 cases of enteric fever, and one of typhus, on Saturday last; 16 cases of enteric fever were admitted during the week, against 18 in each of the preceding two weeks.

One death was primarily attributed to *influenza*, against 6, 3, and 2 in the preceding three weeks.

The deaths from diseases of the respiratory organs, which had been 459 and 375 in the preceding two weeks, increased again last week to 444, being only one below the corrected average.

The widow of a thatcher, whose death from "old age" occurred in Kentish Town, was stated to be 104 years of age.

Different forms of violence caused 55 deaths, concerning all but one of which inquests were held. Of these 55 deaths, 4 were cases of suicide, and one of murder, while the remaining 50 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 6 by burns or scalds, one by poison, 5 by drowning, and 15 (including 14 of infants aged under one year) by suffocation.

#### GREATER LONDON.

In Greater London 3014 births and 2226 deaths were registered, corresponding to annual rates of 27·3 and 20·2 per 1000 of the estimated population. In the Outer Ring 42 deaths were referred to measles, 11 to diphtheria, 10 to whooping-cough, and 5 to "fever." The deaths from measles included 25 in West Ham sub-district. Three deaths from diphtheria were recorded in Bromley, 2 in Sunbury, and 2 in Leyton sub-districts.

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Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during November will be found on pages 505-506.

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#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29·76 ins.; the highest reading was 30·22 ins. on Sunday morning, and the lowest 29·51 ins. on Thursday at noon. The mean temperature of the *air* was 35°·3, and 6°·7 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on

every day of the week, the deficiency on the first three days ranging from  $8^{\circ}$  to  $10^{\circ}$ . The direction of the *wind* was variable, and the horizontal movement of the air averaged 9.0 miles per hour, which was 3.6 miles below the average in the corresponding weeks of 16 years. *Rain* was measured on Thursday to the amount of 0.09 of an inch. The duration of registered bright sunshine in the week was 2.8 hours, against 4.1 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of NOVEMBER 1890; according to their returns 171,127,721 gallons or 777,512 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight,) were supplied daily; or 223 gallons (101.3 decalitres), being rather less than a *ton* by weight, to each house, and (assuming 7.8 persons to each house) 28.5 gallons (12.9 decalitres) to each person, against 27.9 gallons in November 1889.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons.	
	NOVEMBER. 1889.	NOVEMBER. 1890.	NOVEMBER. 1889.	NOVEMBER. 1890.
TOTAL SUPPLY . . . . .	757,705	768,586	164,599,821	171,127,721
From Thames . . . . .	365,150	370,607	83,644,525	86,704,054
From Lea and from other Sources . . . . .	392,555	397,979	80,955,296	84,423,667
THAMES.				
Chelsea . . . . .	35,149	35,684	9,193,283	9,580,971
West Middlesex . . . . .	72,430	73,794	14,994,947	15,994,825
Southwark and Vauxhall . . . . .	111,687	112,731	23,825,321	23,914,602
Grand Junction . . . . .	55,802	56,512	17,257,274	17,524,138
Lambeth . . . . .	90,082	91,886	18,374,600	18,389,468
LEA AND OTHER SOURCES.				
New River . . . . .	153,050	153,876	30,078,000	31,563,500
East London . . . . .	166,491	169,414	39,408,017	40,797,802
Kent . . . . .	73,014	74,689	11,469,279	12,062,365

*Note.*—The Return for November 1890, as compared with that for the corresponding month of 1889, shows an increase of 10,881 houses, and of 6,527,900 gallons of water supplied daily.

## ANALYSIS OF METROPOLITAN WATER SUPPLY DURING NOVEMBER.

*Water-analysis Laboratory, The Yews, Reigate,  
5th December, 1890.*

SIR,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of November.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.7, Tottenham 0.8, New River 1.5, Colne Valley 1.8, East London 2.3, Chelsea and Grand Junction 2.7, West Middlesex 2.9, Southwark and Lambeth 3.1.

The water abstracted from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies had suffered marked deterioration since last month. It contained on the average 72.6 per cent. more organic matter, due, no doubt, chiefly to access of decaying vegetation. It was in every case, however, efficiently filtered before delivery.

Of the water obtained chiefly from the River Lea, that delivered by the New River Company, though, organically, less pure than in October, was of much better quality than any of the other river waters, and compared favourably with the deep well waters. The East London Company's water was also superior to the Thames derived waters. Both waters were efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of excellent quality for dietetic use. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the Kent and Tottenham waters were clear and colourless, the New River and Colne Valley clear and nearly colourless, and the remaining waters clear and very pale yellow.



Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear, and the organic elements were much less this month than last."

Dr. Mills, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little "suspended matter."

The Registrar General, &c. &c.

I am, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.		Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Inner Circle.	THAMES.		°								
	Chelsea . . .	{ November 24th, Cab Rank, Horse Guards, Whitehall.	10°0	26°96	°139	°018	0	°188	°206	1°9	10°4
	West Middlesex .	{ November 24th, Cab Rank, Portland-road.	11°0	28°08	°129	°041	0	°217	°258	1°9	20°0
	Southwark . . .	{ November 24th, Cab Rank, Bricklayers Arms, Old Kent-road.	10°6	28°82	°160	°020	0	°188	°208	1°9	21°2
	Grand Junction .	{ November 24th, Cab Rank, Uxbridge-road, near Marble Arch.	10°2	29°20	°131	°030	0	°219	°249	1°9	20°9
	Lambeth . . .	{ November 24th, Cab Rank, St. George's- road, Southwark.	9°9	28°84	°159	°026	0	°230	°256	1°9	20°6
Outer Circle.	LEA.										
	New River . . .	{ November 24th, Cab Rank, Tottenham Court-road.	10°4	30°64	°067	°022	0	°205	°227	1°7	22°4
	East London . .	{ November 24th, Fire Brigade Station, Commercial-road, E.	10°3	32°66	°117	°017	0	°240;	°257	1°9	23°3
	DEEP WELLS.										
	Kent . . . . .	{ November 24th, Mill Lane, Deptford.	12°0	40°72	°038	°005	0	°472	°477	2°3	28°7
	Colne Valley . .	{ November 27th, Bushey.	—	17°28	°086	°018	°028	°437	°478	2°0	7°4
Tottenham . . .	{ November 25th, Tottenham.	—	40°62	°031	°016	°050	0	°057	2°9	23°6	
Corporation of Birming- ham* . . . . .		{ November 4th, 2, court, Stainforth-street.	10°0	27°54	°148	°013	°001	°286	°300	2°1	19°8
Corporation of Glasgow†		{ November 17th, Loch Katrine Water.	7°8	2°7	°155	°025	0	°003	°028	°70	°63
Column 1.		2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 24th November, at the Horse Guards cab-rank, had a temperature of 10°·0 C.; 100,000 lbs. of it contained 26°·96 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·139 lb. of carbon and ·018 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·188 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·206 lb. The above weight of water also contained 1°·9 lbs. of chlorine; and 19°·4 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

TABLE 1.—BIRTHS, DEATHS, AND METEOROLOGY in 28 GREAT TOWNS, during the Week ending 6th December 1890.

CITIES AND BOROUGHES.	POPULATION estimated, to the middle of the Year 1890.*			Registered during the Week ending 6th Dec., 1890.			The DEATHS registered in the Week include—												TEMPERATURE OF THE AIR.						RAINFALL.		CITIES AND BOROUGHES.
	1.	2.	3.	Deaths of			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public Institutions.	Unidentified Causes of Death.	From All Causes.	From Diseases in Cols. 6-12.	Fahrenheit.			In Inches.	In Cents.				
				Infants under 1 Year of Age.	Persons aged 5 Years and upwards.	Persons aged 60 Years and upwards.													High.	Lowest.	Mean.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.		
28 TOWNS	9,715,559	5098	3999	887	930	-	202	64	63	69	49	26	142	290	714	82	21.5	2.5	52.8	17.0	36.9	2.72	0.41	1.04	-	28 TOWNS.	
LONDON	4,421,661	2240	1738	362	453	-	91	28	41	28	17	4	55	121	408	15	20.4	2.5	43.1	22.0	35.3	1.83	0.09	0.23	-	LONDON.	
BRIGHTON	123,659	45	38	8	7	-	-	4	1	-	-	1	1	1	3	5	2.5	2.4	42.0	27.7	35.6	2.00	0.06	0.15	-	BRIGHTON.	
PORTSMOUTH	142,952	73	54	12	12	-	-	-	3	1	1	2	-	-	9	2	19.7	2.6	43.5	24.0	36.9	2.72	0.09	0.23	-	PORTSMOUTH.	
NORWICH	95,352	58	43	10	14	-	3	-	1	4	-	-	1	5	3	1	23.5	4.4	-	-	-	-	-	-	-	NORWICH.	
PLYMOUTH	78,780	35	31	4	12	-	1	-	-	-	1	-	-	3	2	-	20.5	1.3	46.0	28.5	38.7	3.72	1.90	4.88	-	PLYMOUTH.	
BRISTOL	232,248	106	94	22	26	-	8	1	-	1	2	-	1	5	13	1	21.1	2.7	45.0	27.0	36.7	2.61	0.38	0.97	-	BRISTOL.	
WOLVERHAMPTON	83,406	50	30	9	9	-	2	1	-	-	-	-	2	4	4	-	18.8	1.9	42.4	22.8	34.2	1.22	0.21	0.53	-	WOLVERHAMPTON.	
BIRMINGHAM	461,865	210	186	49	49	-	2	-	2	8	1	2	10	17	37	4	21.0	1.7	-	-	-	-	-	-	-	BIRMINGHAM.	
LEICESTER	154,334	75	59	19	9	-	1	-	-	-	-	-	4	6	8	2	19.9	1.0	-	-	-	-	-	-	-	LEICESTER.	
NOTTINGHAM	244,909	104	76	24	14	-	2	1	-	-	1	-	3	4	5	2	16.2	0.4	43.9	24.6	35.9	2.17	0.11	0.28	-	NOTTINGHAM.	
DERBY	100,871	49	33	4	11	-	7	1	-	-	1	-	2	5	9	3	17.1	0.0	-	-	-	-	-	-	-	DERBY.	
BIRKENHEAD	105,049	57	54	18	9	-	4	17	2	6	5	1	18	22	41	16	24.7	3.0	47.5	31.4	38.9	3.83	0.40	1.02	-	BIRKENHEAD.	
LIVERPOOL	613,463	335	291	59	57	-	4	17	2	6	5	1	18	22	41	16	24.7	3.0	47.5	31.4	38.9	3.83	0.40	1.02	-	LIVERPOOL.	
BOLTON	115,846	51	62	14	10	-	6	-	-	-	-	2	3	4	7	1	27.9	3.6	-	-	-	-	-	-	-	BOLTON.	
MANCHESTER†	379,437	242	205	41	34	-	19	1	6	-	5	3	5	18	39	1	28.2	4.7	-	-	-	-	-	-	-	MANCHESTER.	
SAFORD	242,809	146	106	29	14	-	8	3	5	2	1	1	4	7	22	4	22.8	4.3	-	-	-	-	-	-	-	SAFORD.	
OLDHAM	146,716	68	72	17	15	-	8	-	-	2	2	3	2	2	7	2	25.6	4.6	-	-	-	-	-	-	-	OLDHAM.	
BLACKBURN	123,553	65	48	15	10	-	-	3	-	-	-	1	2	3	11	-	20.3	1.7	-	-	-	-	-	-	-	BLACKBURN.	
PRESTON	106,163	59	73	21	15	-	7	-	-	3	-	1	1	2	10	1	36.2	5.5	-	-	-	-	-	-	-	PRESTON.	
HUDDERSFIELD†	94,253	43	38	8	12	-	9	-	-	-	-	-	1	1	4	-	21.0	1.1	-	-	-	-	-	-	-	HUDDERSFIELD.	
HALEFAX	82,034	39	47	10	10	-	2	-	-	1	1	-	-	-	4	3	29.9	2.5	-	-	-	-	-	-	-	HALEFAX.	
BRADFORD	240,515	98	77	16	14	-	7	1	-	1	1	2	1	3	5	2	16.7	2.6	52.8	28.8	40.4	4.67	0.21	0.53	-	BRADFORD.	
LEEDS	363,799	237	151	29	34	-	6	3	1	2	3	1	5	19	14	1	21.6	2.3	-	-	-	-	-	-	-	LEEDS.	
SHEFFIELD	332,837	203	151	34	23	-	10	4	-	5	4	1	3	6	10	9	23.7	3.8	-	-	-	-	-	-	-	SHEFFIELD.	
HULL	213,833	134	52	10	14	-	-	-	-	-	1	1	2	2	5	3	12.7	0.5	46.0	17.0	35.8	2.11	0.36	0.91	-	HULL.	
SUNDERLAND	136,506	84	69	20	21	-	-	3	1	4	1	-	4	6	12	1	26.4	3.4	-	-	-	-	-	-	-	SUNDERLAND.	
NEWCASTLE	162,957	114	76	17	16	-	1	1	1	-	-	-	6	10	8	2	24.3	1.0	46.0	28.0	38.0	3.83	0.67	1.70	-	NEWCASTLE.	
CARDIFF	117,012	78	50	16	6	-	3	-	-	-	1	-	4	9	9	1	22.3	1.8	-	-	-	-	-	-	-	CARDIFF.	
EDINBURGH	271,135	131	95	18	21	-	-	1	3	1	8	2	2	2	17	23	18.3	1.9	52.0	32.0	42.0	5.56	1.61	4.09	-	EDINBURGH.	
GLASGOW	530,208	360	238	41	54	-	6	4	3	9	2	4	6	2	45	27	23.4	2.8	53.9	33.6	42.7	5.94	1.12	2.84	-	GLASGOW.	
DUBLIN	353,082	139	201	32	63	-	-	-	-	4	4	3	6	7	66	33	29.7	1.6	52.8	37.5	44.8	6.83	1.38	3.51	-	DUBLIN.	

\* See note on first page of this Return.

† The recent extension of this borough will not be taken into account in the Weekly Returns until 1891.



TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-NINTH Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2461	2380	2520	2346	2385	2504	2485	2497	2644	2270	2670·8	2240
Males . .	1271	1200	1310	1237	1232	1257	1270	1237	1367	1139	1365·3	1144
Females .	1190	1180	1210	1109	1153	1247	1215	1260	1277	1131	1305·5	1096
<b>TOTAL Deaths</b>	1398	1521	1669	1628	1764	1474	1738	1577	1461	1683	1735·3	1733
Males . .	744	734	818	819	817	741	903	781	792	820	874·8	901
Females .	654	737	851	809	947	733	832	796	669	863	860·5	832

\* The numbers in this column are the average weekly numbers in the forty-ninth weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.	Nov. 22.	Nov. 29.	Dec. 6.
<b>TOTAL Births</b>	2539	2355	2458	2433	2409	2412	2512	2295	2173	2321	2206	1980	2240
<b>TOTAL Deaths</b>	1410	1375	1458	1413	1472	1741	1649	1817	1734	1709	1716	1527	1733
<b>Ages at Death</b>													
{ 0–20 years	687	667	740	726	747	870	835	827	785	753	789	662	758
{ 20–40 "	133	200	182	170	180	204	200	206	222	239	226	207	205
{ 40–60 "	238	214	236	223	240	316	264	335	331	296	283	277	317
{ 60–80 "	256	232	256	253	251	281	296	372	318	343	350	300	372
{ 80 years & upwards	46	62	44	41	51	70	54	76	78	73	68	81	81
<b>Deaths from</b>													
{ Under 1 year	395	376	429	433	436	491	429	413	393	392	369	296	362
{ 1–5 "	217	227	207	193	213	260	306	303	283	257	308	265	296
{ 5–20 "	75	64	104	100	98	119	103	111	109	109	112	100	100
<b>Deaths from Small-pox</b>	-	-	1	-	-	-	-	-	-	-	-	-	-
" " Measles	39	33	22	30	38	59	70	95	74	63	76	76	91
" " Scarlet fever	18	14	16	20	20	20	29	16	23	15	26	27	23
" " Diphtheria	18	35	38	28	38	41	23	26	50	29	37	48	41
" " Whooping-cough	35	38	29	18	59	30	28	19	20	25	33	15	28
" " Typhus	1	-	-	-	-	-	-	-	-	1	-	-	1
" " Enteric fever	18	21	18	24	24	21	15	26	29	24	23	12	16
" " Simple Cont <sup>d</sup> fever	-	-	2	1	1	2	1	-	-	-	-	2	-
" " Diarrhœa and Dysentery	117	94	86	105	94	75	55	43	26	19	11	16	4
" " Cholera	5	3	6	3	2	2	-	-	-	1	-	-	-
" " all the above-mentioned Diseases	251	238	218	229	246	250	221	225	222	177	206	196	204
" " Dis. of Respiratory System	210	187	222	262	197	340	417	450	465	465	459	375	444
" " Phthisis	136	157	130	123	147	204	139	189	153	174	184	151	189
" " Dis. of Circulatory System	114	136	104	100	123	144	151	156	141	139	134	130	167
<b>Violent Deaths</b>	55	43	52	61	49	52	50	57	65	55	56	64	55
<b>Inquest Cases</b>	109	83	103	107	113	123	114	119	143	131	109	127	121
<b>Deaths in Public Institutions</b>	360	360	377	335	346	397	382	395	432	410	426	404	408
<b>TEMPERATURE OF THE AIR</b>													
Mean	59·4	60·4	58·8	56·7	54·3	47·7	43·2	43·6	45·2	44·5	50·0	34·3	35·3
Mean of Highest readings	73·2	71·7	69·2	66·3	64·1	56·5	54·4	50·4	51·7	52·4	54·0	39·8	39·0
Mean of Lowest readings	48·2	51·0	50·9	49·3	45·5	39·8	43·2	36·3	39·0	37·3	45·1	28·9	30·4
<b>Humidity of the Air</b>	79	74	83	76	82	82	83	85	82	88	90	82	87
<b>Rain-fall in inches</b>	0·00	0·34	0·31	00·0	0·33	0·20	0·45	0·23	0·77	0·28	0·19	0·18	0·09
<b>Registered Sunshine (in hours)</b>	48·6	50·7	24·9	36·9	36·5	16·0	8·8	12·6	16·4	16·2	3·1	0·8	2·8

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

\* The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.;—E. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-NINTH Week of the Year 1890.

USES OF DEATH.	Corrected Averages for the 49th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 6th December 1890.								CAUSES OF DEATH.	Corrected Averages for the 49th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 6th December 1890.							
		Deaths of Persons of the Ages										Deaths of Persons of the Ages							
		ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
<b>I. CAUSES -</b>	1735'3	1733	362	296	100	205	317	372	81	<b>Diseases of Organs of Special Sense † - -</b>	2'5	2	-	-	1	1	-	-	-
Small-pox { Vaccinated † - -	2'9	-	-	-	-	-	-	-	-	<b>Diseases of Circulatory System - - -</b>	133'5	167	3	-	11	25	48	70	10
{ Unvaccinated - -	2'1	-	-	-	-	-	-	-	-	Croup - - -	16'1	13	3	12	1	-	-	-	-
{ No Statement - -	3'6	-	-	-	-	-	-	-	-	Bronchitis - - -	276'4	237	66	36	4	7	30	94	20
Measles - - -	65'3	91	15	72	4	-	-	-	-	Pneumonia - - -	107'7	144	32	43	6	10	30	22	1
Scarlet Fever - - -	38'9	23	2	12	9	-	-	-	-	Pleurisy - - -	5'9	4	-	2	-	-	-	-	-
Diphtheria - - -	0'8	1	-	-	-	-	-	1	-	Other Diseases of Respiratory System - -	38'4	23	3	5	2	3	5	5	-
Erysipelas - - -	0'0	-	-	-	-	-	-	-	-	Dentition † - - -	10'3	8	4	4	-	-	-	-	-
Whooping-cough - -	0'1	1	-	-	-	-	-	1	-	Quinsy, Sore Throat † -	2'8	4	-	2	1	-	-	-	-
Influenza - - -	43'6	28	7	19	2	-	-	-	-	Enteritis - - -	7'3	2	1	-	-	1	-	-	-
Epidemic Typhus - -	27'0	41	7	25	8	1	-	-	-	Peritonitis - - -	9'6	12	-	1	5	2	4	-	-
Typhoid Fever - - -	1'6	-	-	-	-	-	-	-	-	Diseases of Liver - - -	34'6	18	-	1	-	4	9	2	2
Paratyphoid Fever - -	20'0	16	1	-	5	10	-	-	-	Other Diseases of Digestive System -	28'9	24	7	2	1	5	5	4	-
Cholera and Chol. Diarr.	0'4	-	-	-	-	-	-	-	-	<b>Diseases of Lymphatic System &amp; of Ductless Glands † - -</b>	2'5	2	-	1	-	1	-	-	-
Enteric Cholera - - -	15'9	4	-	1	-	1	-	-	2	<b>Diseases of Urinary System - - -</b>	40'9	36	-	2	3	4	11	12	4
Enteric Dysentery - -	0'0	-	-	-	-	-	-	-	-	<b>Diseases of Generative System - - -</b>	6'3	7	-	-	-	3	2	2	-
Enteric Typhoid - - -	0'3	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3'8	2	-	-	-	1	1	-	-
Epidemic Typhus - -	0'0	-	-	-	-	-	-	-	-	<b>Diseases of Locomotive System † - -</b>	8'6	6	-	-	3	1	1	1	-
Epidemic Typhus - -	0'1	-	-	-	-	-	-	-	-	<b>Diseases of Integumentary System - -</b>	5'7	7	2	1	1	1	-	-	2
Epidemic Typhus - -	10'4	7	5	-	-	1	1	-	-	<b>VIOLENT DEATHS.‡</b>									
Epidemic Typhus - -	9'9	6	1	-	-	-	5	-	-	(ACCIDENT.)									
Epidemic Typhus - -	3'1	3	1	-	-	2	-	-	-	Fracture and Contusion -	18'3	23	1	-	-	8	9	4	1
Epidemic Typhus - -	7'7	4	-	-	-	3	1	-	-	Gunshot Wound - - -	0'2	-	-	-	-	-	-	-	-
Epidemic Typhus - -	3'0	1	-	1	-	-	-	-	-	Cut, Stab - - -	1'0	-	-	-	-	-	-	-	-
Epidemic Typhus - -	2'4	1	1	-	-	-	-	-	-	Burn and Scald - - -	3'9	6	-	5	1	-	-	-	-
Epidemic Typhus - -	0'4	1	-	-	-	1	-	-	-	Poison - - -	1'6	1	-	-	-	-	-	-	-
Epidemic Typhus - -	1'3	1	1	-	-	-	-	-	-	Drowning - - -	4'8	5	-	-	1	2	2	1	-
Epidemic Typhus - -	4'3	7	-	-	-	2	4	1	-	Suffocation - - -	15'9	15	14	-	-	-	-	-	-
Epidemic Typhus - -	8'3	11	-	1	4	2	2	2	-	Otherwise - - -	1'9	-	-	-	-	-	-	-	-
Epidemic Typhus - -	2'7	3	-	-	-	-	1	2	-	(HOMICIDE.)									
Epidemic Typhus - -	4'1	3	-	-	-	-	-	-	-	Murder & Manslaughter -	2'1	1	-	-	-	1	-	-	-
Epidemic Typhus - -	3'5	6	3	3	-	-	-	-	-	(SUICIDE.)									
Epidemic Typhus - -	54'3	63	-	-	1	5	27	28	2	Gunshot Wound - - -	0'4	2	-	-	1	-	1	-	-
Epidemic Typhus - -	20'2	20	11	9	-	-	-	-	-	Cut, Stab - - -	1'4	1	-	-	-	-	-	-	-
Epidemic Typhus - -	24'2	19	9	8	2	-	-	-	-	Poison - - -	1'4	-	-	-	-	-	-	-	-
Epidemic Typhus - -	169'8	199	4	5	9	80	74	17	-	Drowning - - -	0'5	-	-	-	-	-	-	-	-
Epidemic Typhus - -	16'1	19	6	6	4	1	2	-	-	Hanging - - -	1'1	-	-	-	-	-	-	-	-
Epidemic Typhus - -	9'5	9	1	-	-	4	3	1	-	Otherwise - - -	0'4	1	-	-	-	1	-	-	-
Epidemic Typhus - -	39'6	45	44	1	-	-	-	-	-	(EXECUTION.)									
Epidemic Typhus - -	3'8	1	1	-	-	-	-	-	-	Hanging - - -	0'1	-	-	-	-	-	-	-	-
Epidemic Typhus - -	7'6	7	7	-	-	-	-	-	-	<b>OTHER CAUSES † - -</b>	59'6	55	49	1	-	1	-	4	-
Epidemic Typhus - -	54'2	60	-	-	-	-	-	29	31										
Epidemic Typhus - -	50'7	50	1	-	1	3	11	31	3										
Epidemic Typhus - -	6'5	7	1	-	-	2	2	2	-										
Epidemic Typhus - -	48'2	43	39	6	1	-	-	-	-										
Epidemic Typhus - -	85'6	88	9	9	7	7	20	33	3										

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population. As the ten years average could not be correctly ascertained, the average for the eight years 1882-89 has been used. Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical attendant, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, &amp;c., during the Week ending

The DEATHS registered in the Week include																			
REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from												Inquest Cases.	Deaths in Public Institutions.
				Infants under 1 Year of Age.	Persons aged 10 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoas.	Violence.				
LONDON	3,815,704	2240	1733	362	453	-	91	23	41	28	1	16	-	4	55	121	408		
West Districts	689,633	339	234	53	72	-	7	1	10	5	-	4	-	-	5	25	33		
North Districts	905,947	493	412	83	109	-	10	14	14	9	-	4	-	1	15	23	93		
Central Districts	382,238	147	111	24	23	-	-	2	1	3	-	1	-	-	5	11	33		
East Districts	692,738	427	348	74	85	-	83	1	6	2	1	3	-	1	15	34	87		
South Districts	1,355,148	829	556	124	153	-	41	4	10	9	-	4	-	2	14	22	90		
Metropolitan Hospitals and Asylums outside Registra- tion London	-	-	22	-	11	-	-	1	-	-	-	-	-	-	1	1	22		
West Districts.																			
St. Mary Paddington WHH G.J. & W.M.	69838	46	22	7	6	-	1	-	3	1	-	-	-	-	-	2	3		
St. John Paddington H - G.J.	37330	10	16	2	5	-	-	-	-	-	-	2	-	-	-	1	4		
Kensington Town W - W.M.	120141	51	47	9	15	-	-	-	-	-	-	-	-	-	-	8	15		
Brompton H - W.M. & C.	43010	17	20	2	6	-	-	-	1	1	-	-	-	-	-	1	6		
St. Peter Hammersmith - W.M.	7599	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H W.M. & G.J.	64340	39	37	7	6	-	4	-	2	2	-	-	-	-	3	3	4		
Fulham W - W.M. & C.	42900	59	33	4	10	-	1	1	2	1	-	2	-	-	1	4	15		
Chelsea Kensal Town - C.	13049	9	3	-	1	-	1	-	-	-	-	-	-	-	-	-	-		
Chelsea North WHHHH - C.	49883	16	15	1	3	-	-	-	-	-	-	-	-	-	1	1	9		
Chelsea South HHH - C.	30396	12	12	5	1	-	-	-	2	-	-	-	-	-	-	-	5		
May Fair W - G.J.	89353	3	17	3	6	-	-	-	-	-	-	-	-	-	-	-	10		
Belgrave WHHH - C.	59220	31	19	3	5	-	-	-	-	-	-	-	-	-	-	1	9		
St. John Westminster HHH - C.	35496	13	12	4	2	-	-	-	-	-	-	-	-	-	-	2	-		
St. Margaret Westminster H - C.	24375	4	9	1	3	-	-	-	-	-	-	-	-	-	-	-	3		
St. James Westminster WHH N.R. & G.J.	29341	11	6	1	2	-	-	-	-	-	-	-	-	-	-	-	1		
St. Anne Soho HHHHHH - N.R.	16993	11	4	2	1	-	-	-	-	-	-	-	-	-	-	-	1		
North Districts.																			
All Souls Marylebone HHHHH W.M.	23759	18	13	3	2	-	-	-	-	-	-	-	-	-	-	-	6		
Cavendish Square HHHH - W.M.	14321	11	9	1	3	-	-	-	-	1	-	1	-	-	-	-	3		
Rectory Marylebone W - G.J. & W.M.	24309	10	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-		
St. Mary Marylebone HHHH G.J. & W.M.	11118	8	11	3	4	-	-	-	-	-	-	-	-	-	-	-	-		
Christchurch Marylebone H - W.M.	33700	16	6	2	4	-	-	-	-	-	-	-	-	-	-	-	-		
St. John Marylebone H - W.M.	83633	22	22	4	4	-	-	-	-	-	-	-	-	-	-	-	-		
Hampstead WWHHHH - N.R. & W.M.	45452	22	22	4	4	-	8	2	1	-	-	-	-	1	2	2	10		
Regent's Park Pancras H - W.M.	39115	19	15	6	4	-	1	-	1	-	-	-	-	-	2	3	-		
Tottenham-court WHHHH N.R. & W.M.	27729	8	19	3	3	-	-	-	-	-	1	-	-	-	1	2	11		
Gray's Inn Lane HHH - N.R.	30247	12	12	-	-	-	-	-	-	-	-	-	-	-	1	2	3		
Somers Town HH - N.R.	34382	19	13	2	2	-	-	-	-	1	-	-	-	-	-	2	8		
Camden Town WH - N.R.	17211	12	12	2	5	-	-	-	-	-	-	-	-	-	1	2	4		
Kentish Town W - N.R.	97437	56	43	8	16	-	3	-	2	2	-	-	-	-	-	3	9		
Upper Holloway WWHH - N.R.	67946	58	47	11	15	-	-	-	-	-	1	-	-	-	3	4	13		
Islington South-west H - N.R.	109276	50	33	8	9	-	1	2	-	-	-	-	-	-	-	1	1		
Islington South-east - N.R.	61825	84	27	6	9	-	-	-	2	1	-	-	-	-	-	2	-		
Highbury H - N.R.	52043	33	17	5	6	-	-	1	-	-	-	-	-	-	-	-	2		
Stoke Newington H - N.R.	22781	6	5	1	3	-	-	-	-	-	-	-	-	-	-	-	-		
Stamford Hill - E.L.	9277	5	5	-	2	-	-	-	-	-	-	-	-	-	-	-	2		
West Hackney H - N.R.	37610	22	16	4	4	-	-	-	1	-	-	-	-	-	-	1	2		
Hackney WWHHH - E.L. & N.R.	76911	55	65	15	9	-	4	3	6	-	1	-	-	-	4	5	22		
South Hackney - E.L.	39483	22	20	4	3	-	1	-	-	-	-	-	-	-	1	1	-		
Central Districts.																			
St. George Bloombury - N.R.	16641	12	8	-	1	-	-	-	-	-	-	1	-	-	-	-	3		
St. Giles South WH - N.R.	14864	12	8	2	2	-	-	-	-	-	-	-	-	-	-	-	2		
St. Giles North H - N.R.	13837	3	6	2	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. Martin-in-the-Fields HHHH N.R. & C.	17508	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	3		
St. Mary-le-Strand H - N.R.	7515	-	4	-	2	-	-	-	-	-	-	-	-	-	-	-	4		
St. Clement Danes WH - N.R.	8539	2	8	-	2	-	-	-	-	-	-	-	-	-	1	1	2		
Strand Union Workhouse, Edmonton w.	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	2		
St. Geo.-the-Martyr HHHHHH N.R.	18371	11	13	2	2	-	-	-	1	1	-	-	-	-	1	3	6		
St. Andrew Eastern W - N.R.	10708	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Saffron Hill H - N.R.	6533	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell - N.R.	17516	11	9	3	2	-	-	-	-	2	-	-	-	-	-	1	-		
Amwell Clerkenwell - N.R.	18231	17	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-		
Pentonville - N.R.	14773	8	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
Goodwell-street - N.R.	17503	6	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
Old-street H - N.R.	11841	7	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-		
City-road HHL - N.R.	18428	21	6	4	-	-	-	-	-	-	-	-	-	-	-	-	1		
Wardrobe-street - N.R.	9217	10	7	2	2	-	-	-	-	-	-	-	-	-	-	2	-		
Finsbury - N.R.	7493	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Edgware Union Workhouse, Mitcham w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph H - N.R. & E.L.	11174	5	3	1	-	-	-	-	-	-	-	-	-	-	1	1	-		
Cripplegate - N.R.	7193	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre H - N.R.	3535	-	10	-	2	-	-	-	-	-	-	-	-	-	-	-	3		
St. Bride W - N.R.	8995	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Allhallows Barking - N.R.	13668	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street H - N.R.	5532	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. River; E. L., East London; and K., the Kent Company.

ER, DYPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT

REGISTRATION SUB-DISTRICTS.		Enu- mer- ated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Deaths from													Deaths in Public Institutions.	Unexplained Causes.				
					Deaths in Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.						
EAST DISTRICTS.																							
Aditch South	HL*	- N.R.	22343	7	11	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
on New Town	W	- N.R.	29837	12	26	3	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
on Old Town	-	- N.R.	26336	18	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
erston	WH	- N.R. & E.L.	46275	81	25	3	2	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	8
al Green North	H	- E.L.	31157	32	25	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
al Green South	-	- E.L.	34389	14	19	4	7	-	2	-	1	-	-	1	-	-	-	-	-	-	-	-	-
al Green East	WHL*	- E.L.	41405	25	28	3	12	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
fields	-	- E.L. & N.R.	22585	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
End New Town	W	- E.L.	15473	19	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ehapel Church	H	- E.L. & N.R.	17490	11	20	2	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
am's Fields	-	- E.L.	9713	2	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ate	-	- N.R. & E.L.	6102	4	4	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
George's, North	-	- E.L.	38747	23	13	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ohn, St. George East	W	- E.L.	8410	7	7	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
well	H	- E.L. & N.R.	10393	7	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
house	-	- E.L.	16107	9	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
house	-	- E.L.	32041	17	20	2	5	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
End Old Town West	H	- E.L.	37960	31	15	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
End Old Town East	W & H	- E.L.	67653	51	27	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L*	-	- E.L.	37074	28	12	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ley w & H	-	- E.L.	64359	43	36	8	3	-	3	-	1	1	-	-	-	-	-	-	-	-	-	-	-
er W & H	-	- E.L.	55077	27	33	9	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DISTRICTS.																							
ehurch Southwark	WH	- L. & S.	18663	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
aviour Southwark	-	- S.	14999	10	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
oad	-	- S. & L.	21381	16	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ish-road	WH	- S. & L.	15853	9	10	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
on-road	HL	- S. & L.	21318	11	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ry Newington	-	- S. & L.	32873	13	9	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
terly Walworth	W	- S. & L.	59555	40	25	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ary Newington	-	- L. & S.	21623	16	10	2	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ave WH	-	- S.	11956	5	14	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
er Market	-	- S. & L.	16800	9	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ary Magdalen	W	- S.	15669	6	9	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ames Bernandsey	-	- S.	54682	30	16	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
erithie WH	-	- S. & K.	36024	20	13	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
loo-road 1st	H	- L. & S.	15195	10	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
loo-road 2nd	H	- L. & S.	16351	19	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
eth Church 1st	H	- L. & S.	19876	9	16	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
eth Church 2nd	W & W	- L. & S.	39539	49	33	4	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ngton 1st	-	- S. & L.	45232	80	20	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ngton 2nd	-	- S. & L.	35332	23	10	3	4	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
on w	-	- L. & S.	62837	30	56	5	4	-	3	-	2	2	-	-	-	-	-	-	-	-	-	-	-
ood W	-	- L.	19017	8	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battersea	-	- S.	54673	51	22	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battersea W & H	-	- S.	52337	33	33	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
am H	-	- S.	36380	21	13	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
aworth WHL	-	- S.	28004	27	16	7	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
y	-	- S.	18235	6	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ham w	-	- L.	25553	15	11	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ch	-	- L. & S.	5590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
erwell W & L*	-	- S. & L.	59104	33	47	3	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
am W	-	- S., L. & K.	71039	48	24	9	6	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
George Camberwell	-	- L. & S.	40810	44	25	9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
aul Deptford w	-	- K.	76732	63	30	7	3	-	4	-	2	2	-	-	-	-	-	-	-	-	-	-	-
eholsa Deptford	-	- K.	7901	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
zwich West H	-	- K.	21974	7	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
zwich East WHH	-	- K.	24609	17	8	1	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
am H	-	- K.	5045	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	- K.	21559	9	9	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ham WH	-	- K.	19865	19	14	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ham H	-	- L.	36076	18	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
on HH	-	- K.	10930	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
zwich Dockyard	-	- K.	17617	13	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
zwich Arsenal HH	-	- K.	1904*	7	8	2	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
stead, West H	-	- K.	14009	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
stead, East W	-	- K.	19241	24	17	2	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tal Ships and Camp, Dartford	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
hmore Hill Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ham Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
th Asylum	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
den Asylum	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ad Asylum	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
hill Asylum	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ell Asylum	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
y Hatch Asylum	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M London Asylum	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 6th December, 1890.

Regis- tration District and Sub- district Num- bers.		REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Deaths.		
							Deaths of		Deaths from															
							Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.								
LONDON—OUTER RING			370,924	950,957	774	493	126	104	-	42	1	11	10	5	3	18	36	30	10					
30:1	Carshalton <i>wL</i>	-	12228	21118	9	6	2	2	-	-	-	-	-	-	-	-	-	-	-					
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	-	9971	10710	6	8	2	3	-	-	-	-	-	-	-	-	-	1	-					
37:1	Godstone ( <i>part of</i> ) *	-	2754	1235	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
38:1	Croydon <i>Ww L</i>	-	20851	101241	73	49	17	15	-	1	-	-	-	-	-	-	3	6	-					
2	Mitcham <i>w</i>	-	11697	17932	14	6	2	1	-	-	-	-	-	-	-	-	-	-	-					
39:1	Wimbledon <i>HHH</i>	-	3220	15950	14	8	2	1	-	-	-	-	-	-	-	-	-	-	-					
2	Kingston <i>WHH</i>	-	8549	34354	23	19	6	5	-	-	-	1	1	-	-	-	1	-	-					
3	Esher ( <i>part of</i> ) *	-	6601	9291	5	5	1	3	-	-	-	-	-	-	1	1	1	-	-					
4	Hampton <i>H</i>	-	4373	13539	9	6	2	1	-	-	-	-	-	-	1	-	-	-	-					
40:1	Richmond <i>WH</i>	-	2272	21392	11	10	2	3	-	-	-	1	-	-	-	1	2	1	-					
2	Mortlake	-	2941	12331	6	5	1	1	-	-	-	-	-	-	-	2	3	-	-					
41:1	Bromley( <i>pt. of</i> ) * <i>HHHH</i>	-	15669	31142	14	9	1	2	-	-	-	3	-	-	-	-	-	-	-					
2	Chislehurst( <i>pt. of</i> ) * <i>WHH</i>	-	14307	15944	6	1	-	1	-	-	-	-	-	-	-	-	-	-	-					
42:1	Bexley <i>H</i>	-	18437	24134	16	10	3	4	-	-	-	-	2	1	-	-	-	-	-					
2	Dartford ( <i>Ww</i> , <i>pts. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
124:1	Sunbury <i>w</i>	-	11055	11685	4	7	2	-	-	-	-	2	-	1	-	-	2	-	-					
2	Staines <i>W</i>	-	13277	12039	6	4	2	2	-	-	-	-	-	-	-	-	-	-	-					
125:1	Hillingdon <i>WHH</i>	-	6029	10802	6	6	1	2	-	-	-	-	-	-	-	-	2	2	-					
2	Uxbridge	-	6178	3225	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
3	Hayes <i>wHL</i>	-	14837	11533	4	4	1	-	-	2	-	-	-	-	-	-	-	-	-					
126:1	Isleworth <i>WHH</i>	-	7008	22727	16	7	3	1	-	1	-	-	-	-	-	-	-	1	-					
2	Twickenham <i>H</i>	-	2477	12475	15	10	4	2	-	-	-	2	1	-	-	3	3	2	-					
3	Brentford <i>HL</i>	-	4345	27649	13	16	5	5	-	1	-	1	-	-	-	-	1	1	-					
4	Chislewick	-	1340	15975	17	10	3	1	-	3	-	-	-	-	-	-	-	-	-					
5	Acton <i>wH</i>	-	6083	22876	22	14	-	2	-	1	-	1	-	-	-	-	1	-	-					
127:1	Harrow <i>H</i>	-	13809	12794	4	5	1	1	-	1	-	-	-	-	-	-	-	1	-					
2	Edgware <i>H</i>	-	6994	3749	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-					
3	Willesden	-	4983	27433	27	15	3	3	-	-	-	-	-	-	-	-	2	-	-					
4	Hendon <i>W</i>	-	8382	10484	9	7	2	2	-	-	-	-	-	-	-	1	2	-	-					
137:1	Bushey	-	9331	6631	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
2	Watford ( <i>W</i> , <i>pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
128:1	South Mimms	-	15599	6891	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-					
2	Barnet	-	5433	10092	3	10	2	1	-	2	-	-	-	-	-	-	-	1	-					
3	Finchley <i>HL</i>	-	4683	17615	14	5	-	2	-	-	-	-	-	-	-	-	-	1	-					
135:1	Hatfield ( <i>part of</i> ) *	-	3306	583	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-					
129:1	Hornsey <i>H</i>	-	3039	37078	33	12	2	5	-	-	-	-	-	-	-	-	1	-	-					
2	Tottenham <i>H</i>	-	4642	46456	62	27	8	5	-	-	-	-	-	-	-	2	2	-	-					
3	Edmonton <i>Ww</i>	-	7483	23463	17	14	1	2	-	1	-	-	-	-	-	-	2	2	-					
4	Enfield <i>WH</i>	-	12653	19104	14	12	3	-	-	2	-	1	1	-	-	-	-	-	-					
5	Waltham Abbey	-	11017	5363	5	1	1	-	-	-	-	-	-	-	-	-	-	-	1					
6	Cheshunt <i>H</i>	-	8490	7735	6	5	1	3	-	1	-	-	-	-	-	-	-	-	-					
156:1	Stratford	-	982	35606	21	17	3	4	-	1	-	-	-	-	-	4	4	2	2					
2	West Ham <i>wHHH</i>	-	4055	90347	98	77	19	4	-	25	-	1	1	1	-	1	1	2	4					
3	East Ham <i>w</i>	-	3296	10706	17	11	5	2	-	1	-	-	1	-	1	1	1	-	-					
4	Leyton <i>WwL</i>	-	4372	32430	42	19	2	5	-	-	-	2	-	-	-	1	1	6	1					
5	Walthamstow <i>H</i>	-	6520	23869	46	17	6	3	-	-	-	-	-	1	-	-	-	-	-					
187:1	Chigwell ( <i>part of</i> ) * <i>H</i>	-	11761	9639	10	6	3	1	-	-	-	-	-	-	-	1	1	-	-					
2	Epping ( <i>W</i> , <i>pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
189:1	Romford ( <i>part of</i> ) * <i>W</i>	-	6730	3411	2	2	-	1	-	-	-	-	-	-	-	-	-	1	-					
2	Ilford	-	8493	7645	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-					
3	Barking Town	-	4127	9203	9	7	2	2	-	-	-	-	-	-	-	-	-	-	-					

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—  
 20:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warlingham and Earley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cudham and Knockholt (pop. 1318); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 6th December, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include														
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from										Deaths in Public institutions.		
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.					
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.				
EATER LONDON	448,334	5,758,500	20·2	2·5	2226	488	557	-	133	24	52	38	22	7	73	438				
INNER LONDON -	77,410	4,421,661	20·4	2·4	1733	362	453	-	91	23	41	23	17	4	55	408				
OUTER RING -	370,924	1,336,839	19·2	2·8	493	126	104	-	42	1	11	10	5	3	18	30				

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
Calcutta	433,219	September 27	-	190	22·8	-	-	-	1	-	71	23+	
Bombay	773,196	October 4	-	205	24·6	-	-	-	1	-	61	32+	
		November 11	298	354	19·8	-	-	-	?	?	100	25+	
Madras	398,777	October 17	365	344	44·7	1	3	?	?	?	98	70+	
Rangoon	3,260,945	November 29	1163	904	20·8	-	16	2	33*	5	13	53	
Amoy	477,288	" 29	238	191	20·8	3	9	1	-	1	2	13	
Shanghai (8 Faubourgs.)	406,302	" 22	207	173	22·1	-	2	1	6	4	1	-	
Amsterdam	203,486	" 22	133	80	20·4	-	-	-	1	2	-	-	
Rotterdam	166,497	" 22	83	43	14·3	-	2	-	-	-	1	-	
Antwerp	312,387	" 29	184	118	19·7	-	1	3	7	2	2	10	
Stockholm	236,350	" 22	146	74	16·3	-	-	3	5*	-	1	1	
Copenhagen	143,300	" 29	43	42	15·2	-	-	5	7	1	-	3	
Petersburg	924,466	" 22	-	362	20·4	16	3	14	12	1	5	21	
Brussels	1,547,533	" 15	913	514	17·1	-	-	3	36	9	2	23	
Bombay (State)	691,647	" 22	481	238	21·0	-	6	1	5*	2	1	12	
Madras	269,250	" 29	157	94	18·2	-	-	-	11*	-	-	1	
Bombay	324,400	" 29	223	141	23·0	-	3	4	12*	3	-	3	
Amoy	298,000	" 29	-	141	24·6	-	3	-	9*	1	2	14	
Amoy	822,176	" 29	537	365	23·1	2	10	1	16	2	1	21	
Amoy	314,425	" 29	-	147	24·4	3	1	6	4	1	4	6	
Amoy	463,017	" 22	320	233	26·2	-	-	16	17	1	5	9	
Amoy	160,092	" 29	85	65	21·1	-	-	-	2*	-	-	-	
Amoy	417,392	October 25	166	139	16·6	-	-	-	3	-	10+	22	
Amoy (10 days)	314,827	" 10	-	-	-	-	-	-	-	-	-	-	
Amoy	166,800	November 22	55	111	36·9	17	2	1	7*	-	1	8	
Amoy	374,838	October 23	359	265	36·8	-	-	-	1	2	6	85	
Amoy	231,396	" 23	168	150	33·7	-	-	-	6	-	6	42	
New York	1,617,997	November 15	-	643	20·3	-	11	7	27	7	10	11	
Boston	871,852	" 15	-	340	20·2	-	1	5	11	4	13	8	
Philadelphia	1,064,277	" 15	-	367	18·0	-	-	5	21	-	12	3	
Baltimore	500,343	" 15	-	162	16·9	-	-	2	6	-	6	5	
New Orleans	254,000	" 1	-	136	27·9	-	-	-	2	-	-	8	
		" 8	-	161	33·1	-	-	-	-	-	1	14	

\* Including deaths from croup.

† Including 1 and 4 deaths respectively from cholera in Calcutta, 1 in Bombay, and 16 in Madras,

‡ Including 6 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 6TH DECEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890. MONTH AND DAY.	Phases of the Moon.	TEMPERATURE.										TEMPERATURE.										Wind as deduced from Anemometers.						Rain collected in a Gauge whose receiving surface is 5 inches above the Average of the Ground.	Ozone.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		BARO-METER.		Of the Air.				Difference between the Air Temperature and Dew Point Temperature.				Of the Water at Bedford.		General Direction.		Pressure on the Square Foot.		Robinson's.		Miles. Miles. Miles.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Mean daily reading (cor- rected for re- duction to 32° Fahren- heit).	in. height.	High- est.	Low- est.	Daily Range.	Mean daily value.	De- parture from average of 20 years.	Mean daily value.	Great- est.	Least.	High- est in the Day.	Low- est.	A.M.	P.M.	Great- est.	Least.	Mean of 24 hours obs.	Horizontal Movement of the Air on each of the Days.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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DATE.		ELECTRICITY. (For explanation of symbols, see Note.)		REGISTERED SUNSHINE. Sunshine, Horizon, in hours.		GENERAL REMARKS.	
NOVEMBER.							
SUNDAY . . 30	..	m. P. till 8h. A.M.; s. P. afterwards.	1.4	8.1	8.1	Fine; partially cloudy.	
MONDAY . . 1	..	m. P. generally	1.4	8.1	8.1	Cloudless in early morning; fine and partially cloudy till evening; dense fog at night.	
TUESDAY . . 2	..	w. P. in morning; v. P. afterwards.	0.0	8.1	8.1	Overcast generally; dense fog in morning.	
WEDNESDAY . . 3	..	v. P. throughout	0.0	8.0	8.0	Overcast.	
THURSDAY . . 4	..	w. N. and v. P. till afternoon; w. P. after- wards.	0.0	8.0	8.0	Overcast; frequent rain during day.	
FRIDAY . . 5	..	w. P. throughout	0.0	8.0	8.0	Overcast.	
SATURDAY . . 6	..	w. P. till evening; m. P. at night.	0.0	8.0	8.0	Overcast generally.	
Sum			2.8	56.3	56.3		

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1876.

— *W.* reading the columns 9 and 25 it will be borne in mind that *W.* indicates "higher," and *w.* "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cable Works at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—*P.* positive; *N.* negative; *w.* weak; *m.* moderate; *s.* strong; and *v.* variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

Details of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 30.11 in. at the beginning of the week to 30.22 in. by 10h. A.M. on the 30th of November; decreased to 29.51 in. on the 1st of December.

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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General Register Office, Somerset House,  
15th December, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21·3 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Nov. 22.	Nov. 29.	Dec. 6.	Dec. 13.		Nov. 22.	Nov. 29.	Dec. 6.	Dec. 13.
Birkenhead	17·4	18·4	26·8	23·8	Liverpool -	21·1	18·7	24·7	21·9
Birmingham	18·3	18·4	21·0	18·5	London -	20·2	18·0	20·4	21·1
Blackburn -	27·9	21·1	20·3	20·3	Manchester -	33·4	30·2	28·2	27·2
Bolton -	25·7	21·6	27·9	26·1	Newcastle-on-Tyne	21·4	21·8	24·3	18·9
Bradford	18·0	16·5	16·7	19·7	Norwich -	21·3	17·0	23·5	23·5
Brighton -	15·2	19·0	16·0	25·7	Nottingham	19·6	16·6	16·2	18·5
Bristol -	19·5	15·9	21·1	22·5	Oldham -	27·4	22·4	25·6	19·5
Cardiff -	25·0	19·2	22·3	12·9	Plymouth -	18·5	24·5	20·5	23·2
Derby -	15·5	15·0	17·1	16·5	Portsmouth	24·4	20·4	19·7	21·2
Halifax -	30·5	21·6	29·9	26·7	Preston -	17·4	26·8	36·2	33·2
Huddersfield	18·3	21·6	21·0	17·7	Salford -	24·9	15·5	22·8	18·9
Hull -	18·5	18·8	12·7	15·6	Sheffield -	25·1	19·4	23·7	27·4
Leeds -	23·4	19·2	21·6	20·8	Sunderland	24·1	16·8	26·4	23·3
Leicester -	15·9	19·9	19·9	16·2	Wolverhampton	20·0	20·6	18·8	20·6

The highest annual death-rates, measured by last week's mortality, were :—from *measles*, 1·5 in Bradford, 1·7 in Leicester, 1·8 in Oldham, 2·5 in Sheffield, 2·6 in Manchester, 4·5 in Preston, 6·3 in Bolton, and 6·5 in Birkenhead; from *scarlet fever*, 1·4 in Bolton, 1·6 in Liverpool, and 1·9 in Halifax; from *whooping-cough*, 1·0 in Preston, 1·1 in Sunderland, and 1·6 in Norwich; and from "*fever*", 1·1 in Huddersfield. The 65 deaths from *diphtheria* included 45 in London, 5 in Leeds, 3 in Liverpool, and 3 in Portsmouth. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2293 BIRTHS and 1787 DEATHS were registered. Allowing for increase of population, the births were 445, and the deaths 6, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18·0 and 20·4 in the preceding two weeks, further rose last week to 21·1. During the past eleven weeks of the current quarter the death-rate averaged 19·6 per 1000, being identical with the mean rate in the corresponding periods of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 1787<sup>2</sup> deaths included 92 from measles, 30 from scarlet fever, 45 from diphtheria, 27 from whooping-cough, 13 from enteric fever, 12 from diarrhoea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 219 deaths were referred to these diseases, being 2 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 12; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 76 and 91 in the preceding two weeks, numbered 92 last week, and exceeded the corrected average by 25. The fatal cases of *scarlet fever*, which had been 27 and 23 in the preceding two weeks, increased again last week to 30, being, however, 3 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1803 scarlet-fever patients at the end of last week, the numbers on the preceding five Saturdays having decreased from 2122 to 1913; 125 cases were admitted during the week, against 139 and 151 in the preceding two weeks. The deaths from *diphtheria*, which had been 48 and 41 in the preceding two weeks, increased again last week to 45, and were 21 above the corrected average; of these deaths, 3 belonged to the Outer Ring, being of persons admitted to hospital from Walthamstow, Plaistow, and New Southgate respectively. The 27 deaths from *whooping-cough* were slightly lower than the number in the previous week, and 23 below the corrected average. The deaths from *diarrhoea* and *dysentery*, which had been 16 and 4 in the preceding two weeks, increased again last week to 12, corresponding with the corrected average.

The deaths referred to *enteric fever*, which had been 12 and 16 in the preceding two weeks, decreased again last week to 13, and were 7 below the corrected average. The Metropolitan Asylum Hospitals contained 175 cases of enteric fever, and not one of typhus, on Saturday last; 17 cases of enteric fever were admitted during the week, against 18 and 16 in the two preceding weeks.

One death was attributed to "*influenza*," and one to "*epidemic influenza, typhoid fever*."

The deaths from diseases of the respiratory organs, which had been 375 and 444 in the preceding two weeks, further increased last week to 487, but were 8 below the corrected average.

Different forms of violence caused 61 deaths, concerning all but 2 of which inquests were held. Of these 61 deaths, 5 were cases of suicide, while the remaining 56 were attributed to accident or negligence. Two of these were caused by horses or vehicles in the streets, 10 by burns or scalds, 3 by poison, 6 by drowning, and 20 (including 16 of infants aged under one year) by suffocation.

The death of a male, aged 45 years, was referred, after inquest, to "syncope from heart failure when under chloroform properly administered for operation."

#### GREATER LONDON.

In Greater London 3018 births and 2261 deaths were registered, corresponding to annual rates of 27.3 and 20.5 per 1000 of the estimated population. In the Outer Ring 29 deaths were referred to measles, 12 to whooping-cough, 10 to "fever," and 9 to diphtheria. The deaths from measles included 7 in West Ham, 4 in Leyton, 3 in Croydon, and 3 in Chiswick sub-districts. Three deaths from "fever" were returned in Croydon sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.92 ins.; the lowest reading was 29.75 ins. on Monday afternoon, and the highest 30.05 ins. on Wednesday evening. The mean temperature of the *air* was 30°·6, and 12°·0 below the average in the corresponding weeks of the 20 years ending 1868. The mean was far below the average on each day of the week, the deficiency on the last four days ranging from 13°·4 to 15°·6. The general direction of the *wind* was Easterly, and the horizontal movement of the air averaged 4.4 miles per hour, which was 8.3 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 1.0 hour, against 11.6 hours at Glynde Place, Lewes.

TABLE 2.—BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 13th December 1890.

CITIES AND BOROUGHES.	Registered during the Week ending 13th Dec., 1890.				The Deaths registered in the Week include										TEMPERATURE OF THE AIR.				RAINFALL.		CITIES AND BOROUGHES.			
	Cols.	Deaths of			Deaths from										Annual Rate per 1000, corresponding to the Week of Deaths				Mean.			In Inches.		Cols.
		1 Year or under 15 Years	Persons aged 15 to 60 Years	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhoid.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unidentified Causes of Death.	Fahrenheit.		In Cent.						
																Highest.	Lowest.	Fahrenheit.	Centigrade.					
		4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.		
28 TOWNS	9,715,559	5136	3866	831	1008	-	213	70	65	57	37	41	131	264	724	64	21'3	46'5	21'0	32'7	0'37	0'04	0'10	
LONDON	4,421,661	2293	1787	354	491	-	92	30	45	27	13	12	61	143	423	15	21'1	39'6	21'0	30'6	0'00	0'00	0'00	
BRIGHTON	123,659	44	61	16	15	-	1	1	1	1	1	1	2	2	7	3	25'7	39'2	21'0	0'00	0'00	0'00	0'00	
PORTSMOUTH	142,962	79	58	9	24	-	-	-	3	-	2	1	2	10	-	-	21'3	39'5	24'0	0'17	0'00	0'00	0'00	
NORWICH	95,352	47	43	10	20	-	2	-	1	3	-	2	-	1	3	-	23'5	-	-	-	-	-	-	
PLYMOUTH	78,750	43	35	9	11	-	-	-	-	-	-	-	-	3	5	-	23'2	-	-	3'28	0'20	0'51	0'00	
BRISTOL	232,248	112	100	13	33	-	5	1	-	-	1	-	3	6	18	1	22'5	37'5	21'0	29'2	0'00	0'00	0'00	
WOLVERHAMPTON	83,406	43	35	8	7	-	2	-	-	-	-	-	1	3	-	1'3	37'9	21'8	29'8	-1'22	0'00	0'00	0'00	
BIRMINGHAM	461,865	220	164	42	33	-	1	2	1	2	-	1	8	12	29	2	18'5	-	-	-	-	-	-	
LEICESTER	164,344	77	48	16	7	-	5	-	-	-	3	7	4	2	16	2	16'2	-	-	-	-	-	-	
NOTTINGHAM	244,909	86	87	19	28	-	1	-	1	1	1	0	4	4	16	1	18'5	27'1	39'8	0'33	0'00	0'00	0'00	
DERBY	100,871	54	32	12	7	-	-	-	-	-	-	-	2	2	4	1	16'5	0'0	-	-	-	-	-	
BIRMINGHAM	105,049	72	48	12	9	-	13	-	1	1	1	-	1	9	-	23'8	7'9	-	-	-	-	-	-	
LIVERPOOL	613,463	286	233	53	54	-	4	19	3	-	1	3	1	8	45	16	21'9	37'5	31'0	-0'56	0'00	0'00	0'00	
BOLTON	115,346	53	58	4	9	-	14	3	-	-	1	1	5	3	1	8'1	26'1	-	-	-	-	-	-	
MANCHESTER	879,487	269	198	39	43	-	19	2	-	3	1	1	11	17	37	3	27'2	3'6	-	-	-	-	-	
SALFORD	242,509	116	88	13	19	-	6	2	-	2	1	2	2	4	14	2	18'9	2'6	-	-	-	-	-	
OLDHAM	146,716	76	55	12	12	-	5	-	1	1	1	-	4	8	6	1	10'5	2'8	-	-	-	-	-	
BLACKBURN	123,553	85	48	15	14	-	-	1	-	-	-	-	2	2	2	1	20'3	0'4	-	-	-	-	-	
PRESTON	105,163	70	67	12	18	-	9	1	1	2	1	3	2	2	2	4	33'2	3'4	-	-	-	-	-	
HUDDERSFIELD	94,253	35	32	5	9	-	1	1	-	-	-	-	1	3	-	17'7	1'7	-	-	-	-	-	-	
HALIFAX	82,034	42	42	13	5	-	2	3	1	1	1	1	1	1	1	2	26'7	5'1	-	-	-	-	-	
BRADFORD	240,515	113	91	18	24	-	7	2	1	1	2	1	-	1	5	1	19'7	3'0	37'1	2'83	0'11	0'28	0'28	
LEEDS	363,799	211	145	42	23	-	4	-	5	4	4	2	4	10	21	-	20'8	2'7	-	-	-	-	-	
SHEFFIELD	332,837	203	175	37	37	-	16	4	1	5	2	4	4	4	19	3	27'4	5'0	-	-	-	-	-	
HULL	213,883	140	64	11	18	-	-	-	1	1	1	1	2	2	17	5	15'6	1'0	40'0	1'28	0'00	0'00	0'00	
SUNDERLAND	136,506	35	61	17	9	-	-	-	-	3	-	1	1	4	15	-	23'3	1'9	-	-	-	-	-	
NEWCASTLE	162,957	137	59	16	15	-	-	-	-	1	-	1	4	7	6	-	18'9	0'3	42'0	0'67	0'09	0'23	0'23	
CARDIFF	117,012	77	29	4	9	-	1	-	-	-	-	-	-	3	4	-	12'9	-	-	-	-	-	-	
EDINBURGH	271,135	162	97	17	30	-	1	-	1	1	-	1	1	2	15	26	18'7	41'2	33'9	1'06	0'02	0'05	0'05	
GLASGOW	539,303	361	229	53	38	-	7	3	13	-	-	3	4	31	22	22'9	2'8	43'0	34'7	1'50	0'04	0'10	0'10	
DUBLIN	333,082	263	173	35	56	-	-	-	4	5	1	1	1	2	45	21	25'6	48'6	36'5	2'50	0'01	0'03	0'03	



*Births, Deaths, Meteorology.***TABLE 2. LONDON.—Births and Deaths** Registered in the FIFTIETH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89,*	1890
<b>TOTAL Births</b>	2480	2480	2569	2540	2614	2671	2415	2516	2291	2535	2738.3	2293
Males . .	1268	1283	1320	1257	1319	1390	1238	1293	1139	1323	1399.1	1144
Females .	1212	1197	1249	1283	1295	1281	1177	1223	1152	1212	1339.2	1149
<b>TOTAL Deaths</b>	1377	1636	1996	1722	1638	1725	1499	1625	1455	1768	1792.8	1787
Males . .	709	819	982	833	786	863	763	807	733	901	894.3	910
Females .	668	817	1014	889	852	857	736	818	722	867	898.5	877

\* The numbers in this column are the average weekly numbers in the 52<sup>nd</sup> weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

	Sept. 20.	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.	Nov. 22.	Nov. 29.	Dec. 6.	Dec. 13.
<b>TOTAL Births</b> - -	2355	2458	2433	2409	2412	2512	2295	2173	2321	2206	1980	2240	2293
<b>TOTAL Deaths</b> - -	1375	1458	1413	1472	1741	1649	1817	1734	1709	1716	1527	1733	1787
<b>Ages at Death</b> {													
0-20 years -	667	740	726	747	870	835	827	785	758	789	662	753	767
20-40 " -	200	182	170	180	204	200	206	222	239	226	207	205	210
40-60 " -	214	236	223	240	316	264	336	331	296	283	277	317	319
60-80 " -	232	256	253	254	281	296	372	318	343	350	300	372	391
80 years & upwards	62	44	41	51	70	54	76	78	73	68	81	81	103
<b>"</b> {													
Under 1 year -	376	429	433	436	491	429	413	393	392	369	296	362	354
1-5 -	227	207	193	213	260	306	303	283	257	303	266	296	304
5-20 -	64	104	100	98	119	100	111	109	109	112	100	100	109
<b>Deaths from Small-pox</b> -	-	1	-	-	-	-	-	-	-	-	-	-	-
" " Measles -	33	22	30	38	59	70	95	74	63	76	76	91	92
" " Scarlet fever -	14	16	20	20	20	29	16	23	15	26	27	23	30
" " Diphtheria -	35	38	28	38	41	23	26	50	29	37	48	41	45
" " Whooping-cough -	33	29	18	29	30	28	19	20	25	33	15	28	27
" " Typhus -	-	-	-	-	-	-	-	-	1	-	-	1	-
" " Enteric fever -	21	18	24	24	21	15	26	29	24	23	12	16	13
" " Simple Cont <sup>d</sup> fever -	-	2	1	1	2	1	-	-	-	-	2	-	-
" " Diarrhœa and Dysentery -	94	86	105	94	75	55	43	26	19	11	16	4	12
" " Cholera -	3	6	3	2	2	-	-	-	1	-	-	-	-
" " all the above-mentioned Diseases -	238	218	229	246	250	221	225	222	177	206	196	204	219
" " Dis. of Respiratory System -	187	222	262	197	340	417	450	465	465	459	375	444	487
" " Phthisis -	157	130	123	147	204	139	189	153	174	184	151	189	161
" " Dis. of Circulatory System -	136	104	100	123	144	151	156	141	139	134	130	167	157
<b>Violent Deaths</b> - -	43	52	61	49	52	50	57	65	55	56	64	55	61
<b>Inquest Cases</b> - -	83	103	107	113	123	114	119	143	131	109	127	121	143
<b>Deaths in Public Institutions</b>	360	377	335	346	397	382	395	432	410	426	404	408	426
<b>TEMPERATURE OF THE AIR</b>													
Mean -	60.4	58.8	56.7	54.3	47.7	48.2	43.6	45.2	44.5	50.0	34.3	35.3	30.6
Mean of Highest readings -	71.7	69.2	66.3	64.1	56.5	54.4	50.4	51.7	52.4	54.0	39.3	39.0	33.7
Mean of Lowest readings -	51.0	50.9	49.3	45.5	39.8	43.2	36.3	39.0	37.3	45.1	28.9	30.4	27.1
<b>Humidity of the Air</b> - -	74	83	76	82	82	83	85	82	88	90	82	87	91
<b>Rain-fall in inches</b> - -	0.34	0.31	0.00	0.33	0.20	0.45	0.23	0.77	0.28	0.19	0.18	0.09	0.00
<b>Registered Sunshine (in hours)</b>	50.7	24.9	36.9	36.5	16.0	8.8	12.6	16.4	16.2	3.1	0.8	2.8	1.0

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; F. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. B. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

## Deaths from different Causes.

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TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FIFTIETH Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 50th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 13th December 1890.										CAUSES OF DEATH.	Corrected Averages for the 50th Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 13th December 1890.									
		Deaths of Persons of the Ages												Deaths of Persons of the Ages									
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
			0-1.	1-6.	5-20.										0-1.	1-6.	5-20.						
ALL CAUSES - -	1792.8	1787	354	304	100	210	319	391	100		Diseases of Organs of Special Sense † - -	2.5	7	-	-	1	4	2	-	-			
Small-pox { Vaccinated † -	3.6	-	-	-	-	-	-	-	-		Diseases of Circulatory System - - -	132.3	157	2	-	13	18	44	73	7			
Small-pox { Unvaccinated -	4.7	-	-	-	-	-	-	-	-		Croup - - - - -	17.3	13	1	11	1	-	-	-	-			
Small-pox { No Statement -	3.8	-	-	-	-	-	-	-	-		Bronchitis - - - -	312.1	234	66	56	5	4	35	91	2			
Measles - - - - -	66.7	92	20	69	11	1	-	-	-		Pneumonia - - - -	112.5	133	67	59	7	9	19	17	5			
Scarlet Fever - - -	33.4	30	3	18	8	1	-	-	-		Pleurisy - - - - -	6.7	10	-	-	3	5	2	-	-			
Typhus - - - - -	1.0	-	-	-	-	-	-	-	-		Other Diseases of Respiratory System - -	46.5	47	6	7	3	6	14	10	1			
Relapsing Fever † -	0.0	-	-	-	-	-	-	-	-		Dentition † - - - -	11.1	13	7	6	-	-	-	-	-			
Influenza - - - - -	0.1	1	-	-	-	-	-	1	-		Quinsy, Sore Throat †	1.0	3	-	-	-	1	1	1	-			
Whooping-cough - -	50.2	27	9	13	-	-	-	-	-		Enteritis - - - - -	6.8	8	1	-	1	-	1	-	-			
Diphtheria - - - -	24.2	45	1	34	9	1	-	-	-		Peritonitis - - - -	7.0	7	-	-	3	1	2	1	-			
Simple Continued and Ill-defined Fever -	1.3	-	-	-	-	-	-	-	-		Diseases of Liver - -	29.2	24	1	-	1	4	6	11	1			
Enteric Fever - - -	20.1	13	-	1	3	6	3	-	-		Other Diseases of Digestive System -	29.7	19	3	1	3	2	6	3	1			
Cholera and Chol. Diarr.	0.0	-	-	-	-	-	-	-	-		Diseases of Lymphatic System & of Ductless Glands † - - -	2.8	4	-	-	-	2	-	2	-			
Diarrhoea, Dysentery	12.4	13	6	2	-	1	-	3	-		Diseases of Urinary System - - -	45.5	51	-	1	2	4	19	23	5			
Remittent Fever - -	0.3	-	-	-	-	-	-	-	-		Diseases of Generative System - - -	6.0	5	-	-	-	3	-	2	-			
Hydrophobia - - -	0.0	-	-	-	-	-	-	-	-		Accidents of Childbirth -	3.9	3	-	-	-	1	2	-	-			
Glanders - - - - -	0.1	-	-	-	-	-	-	-	-		Diseases of Locomotive System † - - -	8.3	4	1	-	2	-	-	1	-			
Cowpox and Effects of Vaccination † - -	0.0	1	1	-	-	-	-	-	-		Diseases of Integumentary System - - -	6.2	3	2	-	-	1	-	-	-			
Veneral Affections -	10.6	9	5	-	-	1	2	1	-		VIOLENT DEATHS. ‡												
Erysipelas - - - -	8.8	6	1	-	-	1	-	4	-		(ACCIDENT.)												
Pyæmia and Septicæmia †	2.4	3	1	-	-	1	-	1	-		Fracture and Contusion	18.2	17	-	3	1	3	5	4	1			
Puerperal Fever - -	7.2	8	-	-	-	8	-	-	-		Gunshot Wound - - -	0.3	-	-	-	-	-	-	-	-			
Other Zymotic Diseases †	2.0	-	-	-	-	-	-	-	-		Cut, Stab - - - - -	0.2	-	-	-	-	-	-	-	-			
Thrush - - - - -	1.6	1	1	-	-	-	-	-	-		Burn and Scald - - -	6.9	10	-	4	3	1	-	-	-			
Worms and other Parasitic Diseases - - -	0.4	-	-	-	-	-	-	-	-		Poison - - - - -	1.5	3	1	-	1	-	1	-	-			
Starvation, Want of Breast-milk † - -	1.2	-	-	-	-	-	-	-	-		Drowning - - - - -	3.7	6	1	-	-	1	2	2	-			
Alcoholism - - - -	4.9	5	-	-	-	1	3	1	-		Suffocation - - - -	14.3	20	13	1	-	-	1	2	-			
Rheumatic Fever, Rheumatism of Heart †	10.3	12	-	-	2	6	3	1	-		Otherwise - - - - -	2.2	-	-	-	-	-	-	-	-			
Rheumatism † - - -	4.2	1	-	-	-	1	-	-	-		(HOMICIDE.)												
Gout - - - - -	2.6	2	-	-	-	-	-	2	-		Murder & Manslaughter	1.2	-	-	-	-	-	-	-	-			
Rickets † - - - -	2.8	3	-	3	-	-	-	-	-		(SUICIDE.)												
Cancer - - - - -	53.1	62	-	-	5	31	25	1	-		Gunshot Wound - - -	0.9	1	-	-	-	-	1	-	-			
Tabes Mesenterica -	20.1	15	0	4	1	1	-	-	-		Cut, Stab - - - - -	1.5	2	-	-	-	1	1	-	-			
Tubercular Meningitis	25.5	16	4	9	2	1	-	-	-		Poison - - - - -	1.2	-	-	-	-	-	-	-	-			
Phthisis - - - - -	178.6	151	1	1	8	85	67	9	-		Drowning - - - - -	1.2	-	-	-	-	-	-	-	-			
Scrofula, Tuberculosis	14.2	21	4	7	6	3	1	-	-		Hanging - - - - -	1.4	1	-	-	-	1	-	-	-			
Other Constitutional Diseases † - - -	11.1	14	-	1	-	3	7	2	1		Otherwise - - - - -	0.3	1	-	-	-	1	-	-	-			
Premature Birth - -	37.4	46	43	-	-	-	-	-	-		(EXECUTION.)												
Atelectasis † - - -	2.8	2	2	-	-	-	-	-	-		Hanging - - - - -	0.3	-	-	-	-	-	-	-	-			
Congenital Malformations - - - -	6.9	7	7	-	-	-	-	-	-		OTHER CAUSES † - -	61.0	49	43	2	-	-	2	2	-			
Old Age - - - - -	59.0	71	-	-	-	1	32	33	-														
Apoplexy - - - - -	51.6	56	-	-	4	21	26	5	-														
Epilepsy - - - - -	6.0	7	-	-	2	1	2	1	1														
Convulsions - - - -	42.9	37	33	3	1	-	-	-	-														
Other Diseases of Brain and Nervous System †	90.8	98	12	12	9	11	16	32	6														

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



## Deaths from some Zymotic and other Causes.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRATION SUB-DISTRICTS.	Enu- mer- ated Popu- lation. 1881.	Total Births.	Total Deaths.	The DEATHS registered in the Week include														
				Deaths of		Deaths from												
				Persons under 1 Year of Age.	Persons aged 10 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Deaths.
<b>LONDON</b>	3,815,704	2293	1787	354	491	-	92	30	45	27	-	13	-	12	61	143	426	15
West Districts - - - -	687,693	340	283	51	104	-	10	4	7	3	-	2	-	2	10	23	87	2
North Districts - - - -	905,947	486	372	68	105	-	10	14	16	6	-	2	-	3	5	31	93	-
Central Districts - - - -	282,238	132	117	20	34	-	4	1	3	1	-	1	-	-	10	19	87	-
East Districts - - - -	692,738	476	356	93	72	-	80	7	10	7	-	3	-	4	11	42	87	-
South Districts - - - -	1,865,148	850	634	122	186	-	38	4	9	10	-	5	-	3	20	27	101	13
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON - - - -	-	-	25	-	10	-	-	-	-	-	-	-	-	-	-	-	25	-
<b>WEST DISTRICTS.</b>																		
St. Mary Paddington WHH G.J. & W.M.	69888	35	26	4	14	-	-	-	-	-	-	1	-	-	-	-	6	-
St. John Paddington H - - G.J.	87390	13	14	1	5	-	-	-	2	-	-	-	-	-	1	2	5	-
Kensington Town Ww - - W.M.	120141	54	49	10	17	-	-	-	1	-	-	1	-	-	5	16	4	-
Brompton H - - W.M. & C	49010	7	13	1	5	-	-	-	-	-	-	1	-	-	-	-	-	-
St. Peter Hammersmith - - W.M.	7599	2	1	-	1	-	-	-	-	-	-	-	-	-	1	3	3	-
St. Paul Hammersmith H W.M. & G.J.	64340	51	35	9	7	-	6	-	1	-	-	-	-	2	2	7	10	-
Fulham Ww - - W.M. & C	42900	43	47	12	12	-	3	4	-	1	-	-	-	-	-	-	-	-
Chelsea Kensal Town - - C.	15049	12	6	3	1	-	-	-	-	-	-	-	-	-	1	2	7	-
Chelsea North WHHHH - - C.	42683	25	19	3	7	-	1	-	-	-	-	-	-	-	-	-	-	-
Chelsea South HHH - - C.	30396	20	5	2	-	-	-	-	1	-	-	-	-	-	1	1	2	-
May Fair W - - G.J.	30353	9	20	1	17	-	-	-	-	1	-	-	-	-	3	13	7	-
Belgrave WHHH - - C.	59220	39	19	2	5	-	-	-	2	-	-	-	-	-	2	2	7	1
St. John Westminster HHH - C.	35496	15	10	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Margaret Westminster H - C.	24479	9	7	1	2	-	-	-	-	-	-	-	-	-	-	-	6	1
St. James Westminster WHH N.R. & G.J.	29941	6	11	-	8	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Anne Soho HHHHHH - - N.R.	18698	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>NORTH DISTRICTS.</b>																		
All Souls Marylebone HHHHH W.M.	26759	10	14	1	3	-	-	-	-	-	-	-	-	-	1	1	7	-
Cavendish Square HHHH - W.M.	1481	4	6	1	4	-	-	-	-	-	-	-	-	-	-	-	1	-
Rectory Marylebone W - G.J. & W.M.	24909	14	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Marylebone WHH G.J. & W.M.	21118	18	6	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone H - W.M.	33700	13	12	-	6	-	-	-	1	-	-	-	-	-	1	3	-	-
St. John Marylebone H - W.M.	33633	11	5	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Hampstead WwHHHH - N.R. & W.M.	45453	25	32	6	5	-	-	6	5	-	-	-	-	-	-	-	14	-
Regent's Park Pancras H - W.M.	39115	17	13	4	3	-	-	-	1	-	-	-	-	-	-	1	-	-
Tottenham-court WHHHH N.R. & W.M.	27729	11	19	8	2	-	-	-	-	-	-	-	-	-	1	15	3	-
Gray's Inn Lane HHH - N.R.	30247	21	11	2	4	-	-	-	1	-	-	-	-	-	1	1	12	-
Somers Town HH - N.R.	34569	21	9	4	1	-	-	-	-	-	-	-	-	-	1	1	3	-
Kentish Town WH - N.R.	17311	13	18	2	10	-	-	-	-	-	-	-	-	-	-	-	9	-
Upper Holloway WwWHH - N.R.	67948	46	36	6	18	-	-	-	2	2	-	-	-	-	1	3	14	-
Islington South-west H - N.R.	100973	49	31	4	7	-	-	2	1	1	-	-	-	-	-	1	5	-
Islington South-east H - N.R.	61825	27	20	4	7	-	-	-	1	-	-	-	-	-	-	1	5	-
Highbury H - N.R.	52045	10	17	1	7	-	-	-	-	-	-	-	-	-	1	1	-	-
Stoke Newington H - N.R.	22781	11	8	4	2	-	-	-	-	-	-	-	-	-	-	1	1	-
Stamford Hill - - E.L.	9277	7	3	1	3	-	-	-	-	-	-	-	-	-	-	1	1	-
West Hackney H - N.R.	87610	25	11	3	2	-	-	1	-	-	-	-	-	-	-	-	1	-
Hackney WwWHH - E.L. & N.R.	79911	50	50	8	10	-	6	4	5	-	-	2	-	-	-	4	19	-
South Hackney - - E.L.	39458	18	9	3	-	-	1	-	-	-	-	-	-	-	1	3	-	-
<b>CENTRAL DISTRICTS.</b>																		
St. George Bloomsbury - - N.R.	16981	7	3	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-
St. Giles South WH - - N.R.	14864	3	5	-	1	-	-	-	-	-	-	-	-	-	2	3	1	-
St. Giles North H - - N.R.	13837	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Martin-in-the-Fields HH N.R. & C.	17508	4	6	1	1	-	-	-	-	-	-	-	-	-	-	1	3	1
St. Mary-le-Strand H - - N.R.	7515	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes WH - - N.R.	8559	2	8	-	3	-	-	-	-	-	-	-	-	-	-	1	3	-
Strand Union Workhouse, Edmonton w.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Geo. the Martyr HHHHHH N.R.	18671	15	6	1	-	-	1	-	-	-	-	-	-	-	-	-	4	-
St. Andrew Eastern W - - N.R.	10706	2	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Saffron Hill H - - N.R.	6593	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - N.R.	17516	8	5	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Amwell Clerkenwell - - N.R.	19231	8	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentonville - - N.R.	14773	11	6	3	1	-	1	-	-	-	-	-	-	-	1	2	-	-
Goosewell-street - - N.R.	17506	11	7	2	5	-	-	-	-	-	-	-	-	-	1	2	-	-
Old-street H - - N.R.	11541	3	9	1	4	-	-	1	-	-	-	-	-	-	-	2	-	-
City-road HHL - - N.R.	18628	24	9	4	1	-	1	-	-	-	-	-	-	-	1	1	3	-
Whitecross-street - - N.R.	9217	5	4	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Finbury - - N.R.	7433	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham w.	-	-	2	-	2	-	-	-	-	-	-	-	-	-	1	2	1	-
St. Botolph H - - N.R. & E.L.	11174	2	5	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - N.R.	7193	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - N.R.	5353	2	17	-	3	-	-	-	3	-	-	1	-	-	3	4	15	-
St. Bride W - - N.R.	8396	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albion Barking - - N.R.	13666	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - - N.R.	8653	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. N. No. River; E. L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT

The Deaths registered in the Week include																							
REGISTRATION SUB-DISTRICTS.				Enu- mer- ated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of														Deaths from		
							Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued fever.	Diarrhoea.	Violence.	Infectious Causes.	Deaths in Public Institutions.	Uncertified Causes of Death.		
EAST DISTRICTS.																							
Bedford South - HL*				-	-	N.R.	22343	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Town - W				-	-	N.R.	29837	28	5	9	-	-	-	-	-	-	-	-	-	1	1	1	
Bedford Old Town -				-	-	N.R.	28056	15	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Town -				-	-	N.R. & E.L.	46275	27	18	5	12	2	1	-	-	-	1	1	2	3	-	-	
Bedford Green North - H				-	-	E.L.	51187	29	25	7	4	-	-	-	-	-	-	-	-	-	-	-	
Bedford Green South -				-	-	E.L.	34399	19	11	4	2	-	-	-	-	1	-	-	1	3	-	-	
Bedford Green East - WHL*				-	-	E.L.	41405	35	32	4	8	-	-	-	-	-	-	-	-	-	-	-	
Bedford Fields -				-	-	E.L. & N.R.	22595	15	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Town - W				-	-	E.L.	18473	13	15	3	1	-	-	-	-	-	-	-	1	2	-	-	
Bedford Chapel Church - H				-	-	E.L. & N.R.	17490	8	30	3	5	-	-	-	-	-	-	-	1	2	-	-	
Bedford Man's Fields -				-	-	E.L.	9713	2	3	-	-	-	-	-	-	-	-	-	3	4	-	-	
Bedford Gate -				-	-	N.R. & E.L.	6102	6	2	-	1	-	-	-	-	-	-	-	1	1	-	-	
Bedford George's, North -				-	-	E.L.	85747	25	19	5	5	-	-	-	-	-	-	-	-	2	-	-	
Bedford John, St. George East - W				-	-	E.L.	8410	10	13	4	4	-	-	-	-	-	-	-	-	-	3	-	
Bedford Well - H -				-	-	E.L. & N.R.	10935	9	4	3	-	-	-	-	-	-	-	-	-	-	-	-	
Bedford Cliff -				-	-	E.L.	16107	8	4	2	1	-	-	-	-	-	-	-	1	1	-	-	
Bedford House -				-	-	E.L.	32041	26	23	8	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford End Old Town West - H				-	-	E.L.	37980	38	14	5	1	-	-	-	-	-	-	-	-	-	-	-	
Bedford End Old Town East - W & H - E.L.				-	-	E.L.	67653	43	30	12	3	-	-	-	-	-	-	2	1	5	6	-	
Bedford L* -				-	-	E.L.	37074	27	8	2	1	-	-	-	-	-	-	-	-	-	-	-	
Bedford Linc. - W & H -				-	-	E.L.	64359	44	37	7	10	-	-	-	-	-	-	-	-	-	-	-	
Bedford Linc. - W & H -				-	-	E.L.	55077	40	25	7	3	-	-	-	-	-	-	-	1	4	12	-	
SOUTH DISTRICTS.																							
Bedford Church Southwark - WH				-	-	L. & S.	13663	16	7	-	4	-	-	-	-	-	-	-	-	1	-	-	
Bedford Baviour Southwark -				-	-	S.	14999	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bedford H-road -				-	-	S. & L.	21381	9	5	1	-	-	-	-	-	-	-	-	-	-	-	-	
Bedford Church-road - WH				-	-	S. & L.	15953	9	8	1	-	-	-	-	-	-	-	-	-	-	-	-	
Bedford H-road - HL				-	-	L. & S.	21318	7	9	-	-	-	-	-	-	-	-	-	1	1	-	-	
Bedford City Newington -				-	-	S. & L.	26672	15	13	3	1	-	-	-	-	-	-	-	-	-	-	-	
Bedford Peter Walworth - W				-	-	S. & L.	59555	41	19	6	1	-	-	-	-	-	-	-	-	-	-	-	
Bedford Mary Newington -				-	-	L. & S.	21623	15	15	1	6	-	-	-	-	-	-	-	1	1	-	-	
Bedford Dave - WH				-	-	S.	11956	9	14	3	1	-	-	-	-	-	-	-	-	-	-	-	
Bedford Silver Market -				-	-	S. & L.	16300	8	7	2	1	-	-	-	-	-	-	-	1	1	-	-	
Bedford Mary Magdalen - W				-	-	S.	16300	7	14	1	6	-	-	-	-	-	-	-	-	-	-	-	
Bedford James Bermondsey -				-	-	S.	54892	33	20	3	7	-	-	-	-	-	-	-	-	-	-	-	
Bedford Wertheim - WH -				-	-	S. & K.	36024	29	25	8	5	-	-	-	-	-	-	-	1	1	-	-	
Bedford H-road 1st - H -				-	-	L. & S.	15195	5	7	1	2	-	-	-	-	-	-	-	-	-	-	-	
Bedford H-road 2nd - H -				-	-	L. & S.	16351	14	6	1	1	-	-	-	-	-	-	-	-	-	-	-	
Bedford Beth Church 1st - H -				-	-	L. & S.	19876	16	15	1	5	-	-	-	-	-	-	-	-	-	-	-	
Bedford Beth Church 2nd - W & W -				-	-	L. & S.	32459	20	23	3	8	-	-	-	-	-	-	-	-	-	-	-	
Bedford Newington 1st -				-	-	S. & L.	45332	22	27	6	7	-	-	-	-	-	-	-	-	-	-	-	
Bedford Newington 2nd -				-	-	S. & L.	35332	18	16	1	4	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Town -				-	-	L. & S.	62337	36	35	6	11	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	19017	13	6	-	5	-	-	-	-	-	-	-	-	-	-	-	
Bedford Battersea -				-	-	S.	54873	33	16	5	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford Battersea - W & H -				-	-	S.	52337	49	35	5	11	-	-	-	-	-	-	-	1	1	-	-	
Bedford Newham - H -				-	-	S.	36339	23	13	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - WHL -				-	-	S.	28004	24	14	2	3	-	-	-	-	-	-	-	1	2	-	-	
Bedford New Wood - W				-	-	S.	12335	5	5	-	1	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-	-	-	-	
Bedford New Wood - W				-	-	L.	25553	25	10	-	3	-	-	-	-	-	-	-	-				



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS AND DEATHS registered during the Week ending Saturday, 13th December, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	
LONDON—OUTER RING		370,924	950,957	25	474	122	130	-	29	4	9	12	10	3	8	5	-	10	
30:1	Carshalton <i>wL</i> -	12223	21118	10	4	1	1	-	-	-	1	-	-	-	-	-	-	-	
2	Epsom ( <i>part of</i> ) * <i>WwH</i>	9971	10710	8	4	1	1	-	-	-	-	1	-	-	-	-	-	-	
37:1	Godstone ( <i>part of</i> ) * -	3754	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon <i>Ww L</i> -	20651	101241	59	48	9	19	-	3	-	1	1	3	-	2	6	3	-	
2	Mitcham <i>w</i> -	11637	17932	12	7	2	4	-	-	-	-	-	-	-	-	1	-	-	
39:1	Wimbledon <i>HHH</i> -	3290	15950	6	6	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Kingston <i>WHH</i> -	8549	36354	23	15	3	3	-	1	-	-	-	-	-	-	1	4	-	
3	Esher ( <i>part of</i> ) * -	6601	9231	4	7	1	-	-	1	-	-	-	-	-	1	1	-	-	
4	Hampton <i>H</i> -	4373	13539	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
40:1	Richmond <i>WH</i> -	2372	21302	11	6	1	2	-	1	-	-	-	1	-	-	-	1	-	
2	Mortlake -	2941	12331	6	2	-	1	-	1	-	-	-	-	-	-	-	-	-	
41:1	Bromley( <i>pt.of</i> ) * <i>HHHH</i>	15659	81142	20	14	2	6	-	-	-	-	-	1	-	-	-	-	-	
2	Chislehurst( <i>pt.of</i> ) * <i>WHH</i>	14507	15844	11	9	4	3	-	-	-	1	-	-	-	-	-	5	-	
42:1	Bexley <i>H</i> -	13437	24134	20	7	4	2	-	-	-	-	-	-	-	-	-	-	-	
2	Dartford ( <i>Ww, pts. of</i> ) *	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
124:1	Sunbury <i>w</i> -	11053	11683	9	4	-	-	-	1	-	-	-	-	-	-	-	-	-	
2	Staines <i>W</i> -	13277	12089	4	4	2	1	-	-	-	-	-	-	-	-	1	1	-	
125:1	Hillingdon <i>WHH</i> -	6029	10802	4	6	1	3	-	-	-	-	-	-	-	-	-	-	-	
2	Uxbridge -	6178	3225	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes <i>wHL</i> -	14887	11523	1	6	1	1	-	2	-	-	-	1	-	-	1	-	-	
126:1	Isleworth <i>WHH</i> -	7008	22727	13	13	2	4	-	-	1	-	-	-	-	1	-	-	-	
2	Twickenham <i>H</i> -	2477	12479	8	3	2	1	-	-	-	-	1	-	-	-	-	-	-	
3	Brentford <i>HL</i> -	4345	27649	18	15	4	6	-	1	-	-	-	-	-	1	-	-	-	
4	Chiswick -	1340	15975	12	19	7	4	-	3	-	-	-	-	-	-	-	-	-	
5	Acton <i>wH</i> -	6083	22876	10	7	3	2	-	-	-	-	-	-	-	-	1	-	-	
127:1	Harrow <i>H</i> -	13809	12796	8	5	1	1	-	-	-	-	-	-	-	-	1	-	-	
2	Edgware <i>H</i> -	6994	3749	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden -	4383	27453	23	14	3	5	-	-	-	-	-	-	-	1	1	-	-	
4	Hendon <i>W</i> -	8383	10434	12	8	2	3	-	1	-	-	-	-	-	-	-	3	-	
127:1	Bushey -	9681	6621	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
2	Watford ( <i>W, pt. of</i> ) *	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
128:1	South Mimms -	15599	6391	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
3	Barnet -	5433	10022	3	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
3	Finchley <i>HL</i> -	4683	17615	18	7	2	1	-	-	-	1	1	-	-	1	2	-	-	
135:1	Hatfield ( <i>part of</i> ) * -	3906	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey <i>H</i> -	3039	37078	15	14	5	3	-	1	-	1	-	-	-	-	-	-	-	
2	Tottenham <i>H</i> -	4542	46456	60	32	8	9	-	-	-	1	-	-	-	-	1	3	-	
3	Edmonton <i>Ww</i> -	7433	23453	26	13	1	4	-	-	-	-	-	1	-	-	-	4	-	
4	Enfield <i>WH</i> -	13653	19104	23	5	1	2	-	-	-	-	-	-	-	-	-	-	-	
5	Waltham Abbey -	11017	3543	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt <i>H</i> -	8430	7735	3	5	1	1	-	-	-	-	-	-	-	-	1	-	-	
136:1	Stratford -	892	33906	29	10	2	1	-	1	-	-	-	-	-	-	-	-	-	
2	West Ham <i>wHHH</i> -	4055	90847	103	76	21	10	-	7	2	2	5	2	-	1	1	-	-	
3	East Ham <i>wio</i> -	3206	10706	20	5	2	1	-	1	-	1	-	-	-	-	-	-	-	
4	Leyton <i>WwL</i> -	4372	22480	31	26	7	9	-	4	-	1	-	-	-	-	-	4	-	
5	Walthamstow <i>H</i> -	6529	23869	27	15	4	7	-	1	-	-	1	-	-	-	-	1	-	
187:1	Chigwell ( <i>part of</i> ) * <i>H</i>	11761	9359	5	5	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Epping ( <i>W, pt. of</i> ) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
189:1	Romford ( <i>part of</i> ) * <i>W</i>	6730	2411	1	3	2	1	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford -	8403	7845	5	4	1	2	-	-	-	-	-	1	-	-	-	-	-	
3	Barking Town -	4127	9203	12	12	6	1	-	-	-	-	-	-	1	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 29: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37: 1, the parishes of Warringham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parishes of Cadman and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135: 1, the parish of Northaw in Hatfield sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 187: 2, Watford, and 187: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 13th December, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include															
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from												Deaths in Public Institutions.	
						Infants under 1 Year of Age.	Persons aged 40 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping cough.	Fever.	Diarrhoea.	Violence.						
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.					
GREATER LONDON	448,334	5,758,500	20.5	2.6	2261	476	621	-	121	34	54	39	23	15	69	466					
INNER LONDON	77,410	4,421,661	21.1	2.6	1787	354	491	-	92	30	45	27	13	12	61	423					
OUTER RING	370,924	1,336,839	18.5	2.6	474	122	130	-	29	4	9	12	10	3	8	40					

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700,522 square miles, which is equivalent to the area of a circle having a radius of 14,933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. Stillborn.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
Calcutta	433,219	October 11	-	190	23.9	-	-	-	2	1	82	19	
Bombay	773,196	November 18	365	358	21.5	-	1	2	2	1	72	26	
Madras	398,777	October 24	354	282	20.1	2	1	2	2	2	77	29	
		October 31	331	255	26.7	2	3	2	2	2	72	41	
Paris	2,260,945	December 6	1211	1058	33.2	4	14	4	38*	5	11	49	
Brussels (th 8 Faubourgs.)	477,238	" 6	281	203	22.1	6	7	-	-	2	2	15	
Amsterdam	406,302	November 29	301	153	19.2	-	6	-	6	5	3	-	
Rotterdam	203,486	" 29	180	73	18.6	-	2	-	-	3	-	-	
De Hague	156,497	" 29	97	58	19.3	-	2	-	-	-	-	-	
Copenhagen	312,387	December 6	190	122	20.4	-	5	3	7	5	-	3	
Stockholm	236,350	November 29	148	82	18.0	-	3	5	4*	3	1	8	
Christiania	143,300	December 6	73	57	20.7	-	1	2	4	-	-	2	
St. Petersburg	924,466	November 29	-	432	24.4	14	4	19	12	1	8	46	
Berlin	1,547,593	" 22	1001	524	17.4	-	2	3	33	10	4	23	
Hamburg (State)	191,647	" 29	425	237	20.9	-	-	3	3*	2	4	22	
Dresden	269,250	" 29	187	97	18.8	-	-	1	9*	-	2	1	
Breslau	324,400	December 6	213	162	26.4	-	3	7	8*	2	-	8	
Munich	298,000	" 6	-	173	30.2	-	5	1	5*	3	-	16	
Vienna	822,176	" 6	560	362	23.0	2	8	3	11	-	-	18	
Rague	314,425	" 6	-	153	25.4	-	1	5	4	2	3	2	
Uda-Pesth	463,017	November 29	283	238	26.7	-	-	7	16	-	2	12	
Prieste	160,092	December 6	95	67	21.8	-	-	-	2*	-	-	1	
Rome	417,392	November 1	232	191	23.9	-	1	-	2	-	15*	27	
Urin (10 days)	314,827	October 10	-	-	-	-	-	-	-	-	-	-	
Enice	156,800	November 29	71	115	38.2	10	1	-	5*	-	-	9	
Airo	374,838	October 30	364	251	34.8	-	-	-	5*	2	11	78	
Alexandria	231,396	" 30	152	120	29.0	-	-	-	2*	-	12	40	
New York	1,617,997	November 22	-	583	18.4	-	13	10	29	7	7	8	
Brooklyn	871,852	" 22	-	393	19.7	-	1	5	19	4	12	2	
Philadelphia	1,064,277	" 22	-	359	17.6	-	-	9	14	-	4	12	
Baltimore	500,343	" 22	-	163	17.5	-	-	1	19	1	5	-	
		" 29	-	145	16.8	-	-	1	8	2	7	1	
New Orleans	254,000	" 15	-	160	32.9	-	-	-	2	1	3	13	

\* Including deaths from croup.

† Including 3 and 2 deaths respectively from cholera in Calcutta, and 7 and 2 respectively in Madras.

‡ Including 10 deaths from malarial fever.





# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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*General Register Office, Somerset House,  
22nd December, 1890.*

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25·1 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns alphabetically arranged, corresponded to the following annual rates per 1000 :—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Nov. 29.	Dec. 6.	Dec. 13.	Dec. 20.		Nov. 29.	Dec. 6.	Dec. 13.	Dec. 20.
Birkenhead	18·4	26·8	23·8	27·8	Liverpool - -	18·7	24·7	21·9	26·9
Birmingham	18·4	21·0	18·5	21·8	London - -	18·0	20·4	21·1	26·0
Blackburn -	21·1	20·3	20·3	25·7	Manchester -	30·2	28·2	27·2	31·9
Bolton -	21·6	27·9	26·1	27·0	Newcastle-on-Tyne	21·8	24·3	18·9	25·6
Bradford	16·5	16·7	19·7	18·6	Norwich - -	17·0	23·5	23·5	26·8
Brighton -	19·0	16·0	25·7	22·3	Nottingham -	16·6	16·2	18·5	20·0
Bristol -	16·2	21·1	22·5	21·6	Oldham - -	22·4	25·6	19·5	26·3
Cardiff -	19·2	22·3	12·9	29·4	Plymouth - -	24·5	20·5	23·2	28·5
Derby -	15·0	17·1	16·5	16·0	Portsmouth -	20·4	19·7	21·2	20·4
Halifax -	21·6	29·9	26·7	26·7	Preston - -	26·8	36·2	33·2	51·6
Huddersfield	21·6	21·0	17·7	26·0	Salford - -	15·5	22·8	18·9	25·2
Hull -	18·8	12·7	15·6	16·1	Sheffield - -	19·4	23·7	27·4	25·2
Leeds -	19·2	21·6	20·8	22·9	Sunderland -	16·8	26·4	23·3	19·9
Leicester -	19·9	19·9	16·2	15·2	Wolverhampton	20·6	18·8	20·6	21·9

The highest annual death-rates, measured by last week's mortality, were :—from *measles*, 1·9 in Sheffield, 2·0 in Birkenhead, 2·2 in Cardiff, 2·7 in Manchester, 3·2 in Salford and in Oldham, 3·6 in Bolton, and 4·5 in Preston; from *scarlet fever*, 1·3 in Liverpool; from *whooping-cough*, 1·3 in Halifax, 1·4 in Birmingham, 1·5 in Birkenhead, and 4·0 in Preston; and from "*fever*", 1·3 in Halifax and 1·5 in Sunderland. The 51 deaths from *diphtheria* included 32 in London, 4 in Birmingham, 5 in Salford, 2 in Manchester, 2 in Liverpool, and 2 in Birkenhead. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 2199 BIRTHS and 2206 DEATHS were registered. Allowing for increase of population, the births were 427 below, while the deaths exceeded by 437, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18·0, 20·4, and 21·1 in the preceding three weeks, further rose last week, under the influence of the cold and fog, to 26·0. During the past twelve weeks of the current quarter the death-rate averaged 20·2 per 1000, exceeding by 0·5 per 1000 the mean rate in the corresponding quarters of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 2206 deaths included 100 from measles, 14 from scarlet fever, 32 from diphtheria, 53 from whooping-cough, 16 from enteric fever, 13 from diarrhœa and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 228 deaths were referred to these diseases, being 4 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 8; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had been 91 and 92 in the preceding two weeks, further increased last week to 100, and exceeded the corrected average by 27. The 14 fatal cases of *scarlet fever* were fewer than those recorded in recent weeks, and were 21 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1752 scarlet-fever patients at the end of last week, the numbers on the preceding six Saturdays having decreased from 2122 to 1802; 108 cases were admitted during the week, against 151 and 125 in the preceding two weeks. The deaths from *diphtheria*, which had been 48, 41, and 45 in the preceding three weeks, declined last week to 32, but exceeded the corrected average by 9. The 53 deaths from *whooping-cough* were nearly double the number recorded in the previous week, but were 4 below the corrected average. The deaths from *diarrhœa* and *dysentery*, which had been 4 and 12 in the preceding two weeks, numbered 13 last week, and were 2 below the corrected average.

The deaths referred to *enteric fever*, which had been 16 and 13 in the two preceding weeks, increased again last week to 16, being, however, 3 below the corrected average. The Metropolitan Asylum Hospitals contained 167 cases of enteric fever, and one of typhus, on Saturday last; 16 cases of enteric fever were admitted during the week, against 16 and 17 in the preceding two weeks.

One death was primarily attributed to "*influenza*."

The deaths referred to diseases of the respiratory organs, which had been 444 and 487 in the preceding two weeks, increased last week to 753, exceeding the corrected average by 283.

The age of a widow, whose death occurred in Wandsworth Union Infirmary, to which she had been admitted from Putney, was stated to be 100 years.

Different forms of violence caused 71 deaths, concerning all of which inquests were held. Of these 71 deaths, one was a case of suicide, while the remaining 70 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 14 by burns or scalds, 2 by poison, 3 by drowning, and 23 (including 21 of infants aged under one year) by suffocation.

The death of a hair-sorter (female), aged 22 years, which occurred in the London Hospital to which she had been admitted from Whitechapel, was referred, after inquest, to "sudden syncope supervening on anthrax transmitted from cow-hair while sorting, accidental." *Post-mortem*.

#### GREATER LONDON.

In Greater London 2877 births and 2758 deaths were registered, corresponding to annual rates of 26.1 and 25.0 per 1000 of the estimated population. In the Outer Ring 35 deaths were referred to measles, 7 to whooping-cough, 6 to "fever," 6 to scarlet-fever, and 5 to diphtheria. The deaths from measles included 17 in West Ham, 3 in Leyton, 4 in Hayes, and 3 in Chiswick sub-districts. Three deaths from scarlet-fever were registered in West Ham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 29.58 ins.; the highest reading was 29.88 ins. at the beginning and end of the week, and the lowest 29.04 ins. on Friday morning. The mean temperature of the *air* was 26°.9, and 13°.6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was far below the average throughout the week, the daily deficiency ranging from 10°.6 to 18°.0. The general direction of the *wind* was North Easterly, and the horizontal movement of the air averaged 7.3 miles per hour, which was 5.6 miles below the average in the corresponding weeks of 16 years. Rain or melted snow was measured on four days of the week, to the aggregate amount of 0.63 of an inch. No bright sunshine was registered during the week.

• See note on first page of this Return.

+ The recent extension of this borough will not be taken into account in the Weekly Returns until 1891.

• See note on first page of this Return.



TABLE 2. LONDON.—Births and Deaths Registered in the FIFTY-FIRST Week of each of the Eleven Years, 1880–90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880–89.*	1890
<b>TOTAL Births</b>	2059	2467	2723	2579	2631	1965	2075	2405	2655	2513	2625·6	2199
Males . .	1024	1223	1456	1307	1329	1057	1040	1200	1368	1267	1338·1	1140
Females . .	1035	1244	1272	1272	1302	908	1035	1206	1287	1246	1287·5	1059
<b>TOTAL Deaths</b>	1242	1655	2019	1609	1595	1408	1570	1502	1802	1816	1763·5	2206
Males . .	635	793	995	823	823	720	748	732	887	909	880·0	1059
Females . .	607	862	1024	781	772	688	822	770	915	907	883·5	1147

\* The numbers in this column are the average weekly numbers in the fifty-first weeks of the ten years 1880–89, raised by 9·046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Sept. 27.	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.	Nov. 22.	Nov. 29.	Dec. 6.	Dec. 13.	Dec. 20.
<b>TOTAL Births</b>	2458	2433	2409	2412	2512	2295	2173	2321	2206	1980	2240	2293	2199
<b>TOTAL Deaths</b>	1458	1413	1472	1741	1649	1817	1734	1709	1716	1527	1733	1787	2206
<b>Ages at Death</b>													
{ 0–20 years	740	726	747	870	895	827	785	758	789	662	753	767	899
{ 20–40 "	182	170	180	204	200	206	222	239	226	207	205	210	257
{ 40–60 "	296	223	240	316	264	336	331	296	283	277	317	319	419
{ 60–80 "	256	253	254	231	296	372	318	343	350	300	372	391	515
{ 80 years & upwards	44	41	51	70	54	76	78	73	68	81	81	100	116
<b>" { Under 1 year</b>	439	433	436	491	429	413	393	392	369	296	362	354	414
{ 1–5 "	207	193	213	260	306	303	283	257	308	266	296	304	384
{ 5–20 "	104	100	98	119	100	111	109	109	112	100	100	109	101
<b>Deaths from Small-pox</b>	1	30	—	—	—	—	—	—	—	—	—	—	—
" Measles	22	30	38	59	70	95	74	63	76	76	91	92	100
" Scarlet fever	16	20	20	20	29	16	23	15	26	27	23	30	14
" Diphtheria	38	28	38	41	23	26	50	29	37	48	41	45	32
" Whooping-cough	29	18	29	30	28	19	20	25	33	15	28	27	53
" Typhus	—	—	—	—	—	—	—	1	—	—	1	—	—
" Enteric fever	18	24	24	21	15	26	29	24	23	12	16	13	16
" Simple Cont <sup>d</sup> fever	2	1	1	2	1	—	—	—	—	2	—	—	—
" Diarrhoea and Dysentery	86	105	94	75	55	43	26	19	11	16	4	12	13
" Cholera	6	3	2	2	—	—	—	1	—	—	—	—	—
" all the above-mentioned Diseases	218	229	246	250	221	225	222	177	206	196	204	219	228
" Dis. of Respiratory System	222	262	197	340	417	450	465	465	459	375	444	487	753
" Phthisis	180	123	147	204	139	189	153	174	184	151	189	161	203
" Dis. of Circulatory System	104	100	123	144	151	156	141	139	134	130	167	157	200
<b>Violent Deaths</b>	52	61	49	52	50	57	65	55	56	64	55	61	71
<b>Inquest Cases</b>	103	107	113	123	114	119	143	131	109	127	121	143	164
<b>Deaths in Public Institutions</b>	377	335	346	397	382	395	432	410	426	404	408	426	498
<b>TEMPERATURE OF THE AIR</b>													
Mean	58·8	56·7	54·3	47·7	48·2	43·6	45·2	44·5	50·0	34·3	35·3	30·6	26·9
Mean of Highest readings	69·2	66·3	64·1	56·5	54·4	50·4	51·7	52·4	54·0	39·8	39·0	33·7	30·6
Mean of Lowest readings	50·9	49·3	45·5	39·8	43·2	36·3	39·0	37·3	45·1	28·9	30·4	27·1	22·1
<b>Humidity of the Air</b>	83	76	82	82	83	85	82	88	90	82	87	91	90
<b>Rain-fall in inches</b>	0·31	00·0	0·33	0·20	0·45	0·23	0·77	0·28	0·19	0·18	0·09	0·00	0·63
<b>Registered Sunshine (in hours)</b>	24·9	36·9	36·5	16·0	8·8	12·6	16·4	16·2	3·1	0·8	2·8	1·0	0·0

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whiteledge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FIFTY-FIRST Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 51st Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 20th December 1890.									CAUSES OF DEATH.	Corrected Averages for the 51st Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 20th December 1890.								
		Deaths of Persons of the Ages											Deaths of Persons of the Ages								
		ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.			0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES - -	1768.5	2206	414	384	101	257	419	515	116	Diseases of Organs of Special Sense † - -	2.4	6	1	1	2	-	1	1	-		
Small-pox { Vaccinated † -	2.0	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	133.4	200	-	1	7	20	75	99	7		
Unvaccinated -	2.7	-	-	-	-	-	-	-	-	Croup - - -	16.0	7	1	6	-	-	-	-	-		
No Statement -	3.6	100	13	79	8	-	-	-	-	Bronchitis - - -	238.7	466	94	76	4	19	71	165	37		
Measles - - -	72.5	14	-	11	3	-	-	-	-	Pneumonia - - -	109.9	195	39	53	6	27	45	24	1		
Scarlet Fever - -	35.3	-	-	-	-	-	-	-	-	Pleurisy - - -	4.8	11	1	-	1	-	5	4	-		
Typhus - - -	0.7	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	40.2	74	9	13	1	3	25	19	4		
Relapsing Fever †	0.0	-	-	-	-	-	-	-	-	Dentition † - - -	13.6	17	11	6	-	-	-	-	-		
Influenza - - -	0.0	1	-	-	-	-	1	-	-	Quinsy, Sore Throat †	2.4	3	-	-	1	1	-	-	-		
Whooping-cough -	56.7	53	12	40	1	-	-	-	-	Enteritis - - -	7.5	13	4	2	3	1	3	-	-		
Diphtheria - - -	23.4	32	-	21	10	1	-	-	-	Peritonitis - - -	7.7	11	1	-	2	5	1	-	2		
Simple Continued and Ill-defined Fever -	1.3	-	-	-	-	-	-	-	-	Diseases of Liver - -	22.6	26	-	1	-	6	13	6	-		
Enteric Fever - -	19.0	16	-	2	5	3	-	1	-	Other Diseases of Digestive System -	23.4	41	11	2	2	7	7	11	1		
Cholera and Chol. Diarr.	0.0	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - -	1.5	5	1	-	-	-	2	2	-		
Diarrhoea, Dysentery -	14.7	13	7	1	-	-	1	2	2	Diseases of Urinary System - - -	44.4	42	-	1	2	7	11	19	2		
Remittent Fever †	0.7	-	-	-	-	-	-	-	-	Diseases of Generative System - - -	6.0	8	-	-	-	5	3	-	-		
Hydrophobia - -	0.2	-	-	-	-	-	-	-	-	Accidents of Childbirth -	3.2	3	-	-	-	3	-	-	-		
Glanders - - -	0.0	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - -	8.9	2	-	1	1	-	-	-	-		
Cowpox and Effects of Vaccination † -	0.0	-	-	-	-	-	-	-	-	Diseases of Integumentary System -	7.7	5	1	1	-	-	-	2	1		
Veneral Affections -	9.8	8	7	-	-	1	-	-	-	VIOLENT DEATHS. §											
Erysipelas - - -	6.9	7	1	-	-	1	1	4	-	(ACCIDENT.)											
Pyæmia and Septicæmia †	3.5	3	-	-	1	1	1	-	-	Fracture and Contusion -	21.9	23	1	1	3	4	3	10	-		
Puerperal Fever - -	8.1	9	-	-	-	8	1	-	-	Gunshot Wound - - -	0.0	-	-	-	-	-	-	-	-		
Other Zymotic Diseases †	2.1	1	-	-	-	1	-	-	-	Cut, Stab - - -	0.2	-	-	-	-	-	-	-	-		
Thrush - - -	1.9	-	-	-	-	-	-	-	-	Burn and Scald - - -	7.7	14	1	6	2	1	1	3	-		
Worms and other Parasitical Diseases -	0.8	-	-	-	-	-	-	-	-	Poison - - -	2.0	2	-	-	-	-	1	1	-		
Starvation, Want of Breast-milk † - -	3.0	1	1	-	-	-	-	-	-	Drowning - - -	4.8	3	-	-	-	3	-	-	-		
Alcoholism - - -	4.3	6	-	-	-	1	4	1	-	Suffocation - - -	16.9	23	21	1	-	-	-	1	-		
Rheumatic Fever, Rheumatism of Heart†	9.3	7	-	-	1	2	1	2	1	Otherwise - - -	2.3	5	2	-	1	-	-	2	-		
Rheumatism † - -	2.0	4	-	-	-	-	-	4	-	(HOMICIDE.)											
Gout - - -	3.2	7	-	-	-	-	1	4	2	Murder & Manslaughter -	1.0	-	-	-	-	-	-	-	-		
Rickets † - - -	5.0	2	-	2	-	-	-	-	-	(SUICIDE.)											
Cancer - - -	53.8	65	-	-	1	3	33	27	1	Gunshot Wound - - -	0.1	-	-	-	-	-	-	-	-		
Tabes Mesenterica -	20.7	21	11	8	1	1	-	-	-	Cut, Stab - - -	2.8	-	-	-	-	-	-	-	-		
Tubercular Meningitis -	24.1	14	-	10	3	1	-	-	-	Poison - - -	1.6	1	-	-	-	-	1	-	-		
Phthisis - - -	165.3	203	1	7	16	94	63	17	-	Drowning - - -	1.1	-	-	-	-	-	-	-	-		
Serofula, Tuberculosis -	14.4	29	7	9	2	-	1	1	-	Hanging - - -	0.9	-	-	-	-	-	-	-	-		
Other Constitutional Diseases † - -	12.5	11	-	1	-	4	2	3	-	Otherwise - - -	0.5	-	-	-	-	-	-	-	-		
Premature Birth - -	37.5	40	40	-	-	-	-	-	-	(EXECUTION.)											
Atelectasis † - - -	1.7	1	1	-	-	-	-	-	-	Hanging - - -	0.1	-	-	-	-	-	-	-	-		
Congenital Malformations - - -	5.8	6	5	1	-	-	-	-	-	OTHER CAUSES † - -	61.7	53	43	8	-	1	-	1	-		
Old Age - - -	59.2	71	-	-	-	-	-	23	43												
Apoplexy - - -	46.8	50	-	-	1	4	14	25	6												
Epilepsy - - -	6.0	13	-	-	2	3	5	3	-												
Convulsions - - -	50.9	45	41	4	-	-	-	-	-												
Other Diseases of Brain and Nervous System †	92.7	98	20	8	9	9	15	32	5												

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

† At the ten years average could not be correctly ascertained, the average for the eight years 1834-9 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																	
REGISTRATION SUB-DISTRICTS.		Enu- me- rated Popu- lation. 1881.	Total Births.	Deaths of		Deaths from											Inquest Cases,	Deaths in Public Institutions.	Uncertified Causes of Death.
				Infants under 1 Year of Age.	Persons aged 40 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.				
LONDON		3,815,704	2199	2206	414	631	-	100	14	32	53	-	16	-	13	71	164	498	14
WEST DISTRICTS - - -		669,883	310	371	57	130	-	13	1	4	11	-	3	-	4	6	16	83	-
NORTH DISTRICTS - - -		905,947	448	474	87	141	-	17	8	11	10	-	6	-	4	20	39	99	1
CENTRAL DISTRICTS - - -		282,238	128	139	24	26	-	4	-	3	-	-	-	-	7	16	45	1	-
EAST DISTRICTS - - -		692,738	486	434	78	111	-	28	1	6	3	-	1	-	3	20	57	129	-
SOUTH DISTRICTS - - -		1,265,148	827	768	168	214	-	88	4	8	29	-	6	-	2	18	36	122	12
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	20	-	9	-	-	-	-	-	-	-	-	-	-	-	20	-
WEST DISTRICTS.																			
St. Mary Paddington WHH G.J. & W.M.		69883	30	33	6	10	-	-	-	-	-	-	1	-	-	1	6	6	-
St. John Paddington H - - G.J.		37380	10	18	-	7	-	-	-	-	-	-	-	-	1	2	5	-	-
Kensington Town W - - W.M.		120141	40	65	9	24	-	-	-	-	-	-	-	-	-	-	-	-	-
Brompton H - - W.M. & C.		43010	15	21	3	9	-	-	-	-	-	-	-	-	2	-	1	19	-
St. Peter Hammersmith - - W.M.		7899	4	3	-	2	-	-	-	-	-	-	-	-	1	1	2	5	-
St. Paul Hammersmith H W.M. & G.J.		64340	43	58	9	13	-	7	-	1	2	-	-	-	1	3	10	-	-
Fulham W - - W.M. & C.		42900	40	45	13	12	-	1	1	5	-	-	-	-	1	1	-	-	-
Chelsea Kensal Town - - C.		15049	16	5	2	1	-	1	-	-	-	-	-	-	-	-	-	7	-
Chelsea North W - - C.		42683	20	20	-	12	-	-	-	-	-	1	-	-	-	-	-	8	-
Chelsea South HHH - - C.		30396	13	16	4	6	-	-	-	2	3	-	-	-	-	-	-	-	-
May Fair W - - G.J.		30353	6	16	1	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave WHH - - C.		59220	21	27	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John Westminster HHH - - C.		35496	20	12	2	6	-	1	-	-	-	-	-	-	-	1	1	3	-
St. Margaret Westminster H - - C.		24679	5	14	2	4	-	3	-	-	-	-	-	-	-	-	-	-	-
St. James Westminster WHH N.R. & G.J.		29941	7	14	1	6	-	-	-	-	-	-	-	-	-	-	-	2	-
St. Anne Soho HHHHHH - - N.R.		10058	6	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																			
All Souls Marylebone HHHHH W.M.		26759	12	17	4	4	-	-	-	-	-	-	-	-	2	2	7	-	-
Cavendish Square HHHH - - W.M.		14891	7	6	1	1	-	-	-	-	3	-	-	-	-	-	1	2	-
Rectory Marylebone W - - G.J. & W.M.		24809	10	10	1	5	-	-	-	-	-	-	-	-	-	-	2	1	-
St. Mary Marylebone HHHH G.J. & W.M.		21118	18	9	4	2	-	-	1	1	-	-	-	-	-	-	-	-	-
Christchurch Marylebone H - - W.M.		33700	6	13	2	5	-	-	-	-	-	-	-	1	-	-	-	-	-
St. John Marylebone H - - W.M.		33633	10	4	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Hampstead W - - N.R. & W.M.		45452	20	23	3	10	-	2	-	-	-	-	-	-	-	1	6	-	-
Regent's Park Pancras H - - W.M.		89115	12	12	3	6	-	-	-	-	-	-	-	-	1	4	-	-	-
Tottenham-court W - - N.R. & W.M.		27729	10	30	2	10	-	-	-	-	-	1	-	-	1	2	13	-	-
Gray's Inn Lane HHH - - N.R.		30247	13	14	3	-	-	-	-	2	-	-	-	-	-	1	1	7	-
Somers Town HH - - N.R.		34369	15	19	4	2	-	1	-	-	-	-	-	-	1	1	1	-	-
Camden Town WH - - N.R.		17811	10	18	-	9	-	-	-	2	-	-	-	-	2	2	11	-	-
Kentish Town W - - N.R.		87497	55	35	5	9	-	1	-	-	-	-	-	1	1	4	2	-	-
Upper Holloway WWHH - - N.R.		67946	49	55	12	23	-	-	-	3	-	-	-	-	1	2	3	24	-
Islington South-west H - - N.R.		100976	49	46	7	15	-	3	-	1	-	3	-	-	1	3	2	1	-
Islington South-east - - N.R.		61825	30	27	8	6	-	-	1	-	-	-	-	-	-	2	3	-	-
Highbury H - - N.R.		52045	22	28	7	4	-	2	-	-	-	-	-	-	1	3	-	-	-
Stoke Newington H - - N.R.		22781	12	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill - - E.L.		9277	7	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
West Hackney H - - N.R.		37610	14	13	2	6	-	-	-	-	-	-	-	-	-	1	-	-	-
Hackney WWHH - - E.L. & N.R.		76911	49	60	11	16	-	9	4	7	-	-	-	-	1	3	5	23	-
South Hackney - - E.L.		39883	18	18	3	6	-	1	-	-	1	-	-	-	-	1	-	-	-
CENTRAL DISTRICTS.																			
St. George Bloomsbury - - N.R.		16681	1	5	1	2	-	-	-	-	-	-	-	-	-	-	-	6	-
St. Giles South WH - - N.R.		14864	13	11	1	5	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Giles North H - - N.R.		13837	3	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Martin-in-the-Fields HH N.R. & C.		17608	8	13	4	2	-	-	-	-	-	-	-	-	2	3	5	-	-
St. Mary-le-Strand H - - N.R.		7515	1	3	-	2	-	-	-	-	-	-	-	-	-	1	2	-	-
St. Clement Danes WH - - N.R.		8559	2	3	-	1	-	-	-	-	-	-	-	-	-	-	3	-	-
Strand Union Workhouse, Edmonton &c.		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Geo.-the-Martyr HHHHHH N.R.		18671	5	17	3	1	-	2	-	2	-	-	-	-	1	4	11	-	-
St. Andrew Eastern W - - N.R.		10706	5	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Saffron Hill H - - N.R.		6533	6	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - N.R.		17516	13	9	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Arncliffe Clerkenwell - - N.R.		19281	11	15	3	2	-	-	-	-	-	-	-	-	1	8	-	-	-
Pentonville - - N.R.		14773	14	3	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Goswell-street - - N.R.		17606	14	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Gid-street H - - N.R.		11541	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
City-road HHL - - N.R.		18623	13	12	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-
Whitecross-street - - N.R.		9217	7	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finchbury - - N.R.		7463	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isleborn Union Workhouse, Mitcham &c.		-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	1	2	-
St. Botolph H - - N.R. & E.L.		11174	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - N.R.		7192	3	4	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Sepulchre H - - N.R.		5353	-	14	-	3	-	1	-	1	-	-	-	-	-	-	-	13	-
St. Bride W - - N.R.		8396	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking - - N.R.		13666	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - - N.R.		8662	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L<sup>p</sup>—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

EVER, DYPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT

		The DEATHS registered in the Week include																		
REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of		Deaths from											Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
SUB-DISTRICTS.					Infants under Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrrhoea.	Violence.				
EAST DISTRICTS.																				
Shoreditch South	HL*	N.R.	22343	5	10	3	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch New Town	W	N.R.	22343	14	20	3	7	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Old Town	-	N.R.	22343	13	11	3	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch West	WH	N.R. & E.L.	46275	96	37	8	13	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Green North	H	E.L.	51157	58	23	5	1	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Green South	-	E.L.	34399	27	17	3	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Green East	WHL*	E.L.	41405	30	55	4	21	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch North	W	E.L. & N.R.	22343	11	10	4	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch New Town	W	E.L.	15473	9	10	2	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Chapel Church	H	E.L. & N.R.	17490	17	29	4	4	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Fields	-	E.L.	9713	2	1	4	4	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Gate	-	N.R. & E.L.	6102	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch North	-	E.L.	38747	29	21	3	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch St. George East	W	E.L.	8410	6	15	-	4	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch H	-	E.L. & N.R.	10395	6	13	4	1	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch H	-	E.L.	16107	8	2	-	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch H	-	E.L.	32041	15	9	-	4	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Old Town West	H	E.L.	37960	31	10	1	5	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Old Town East	WHL	E.L.	67653	42	35	11	10	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch W	-	E.L.	37074	26	16	2	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch W	-	E.L.	64359	54	46	10	15	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch W	-	E.L.	56577	40	38	8	11	-	-	-	-	-	-	-	-	-	-	-		
SOUTH DISTRICTS.																				
Shoreditch Southwark	WH	L. & S.	13663	6	14	4	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Southwark	-	S.	14999	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Southwark	-	S. & L.	21381	14	10	3	1	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Southwark	WH	S. & L.	16953	18	12	3	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Southwark	HL	L. & S.	21318	16	1	3	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newington	-	S. & L.	20372	19	9	1	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Peter Walworth	W	S. & L.	59535	29	23	8	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Mary Newington	-	L. & S.	21623	20	14	3	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Olive	WH	-	S.	11956	8	9	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Father Market	-	S. & L.	18500	13	5	1	1	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Mary Magdalen	W	-	S.	16569	13	9	4	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch James Bermondsey	-	S.	54682	39	26	6	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Bertholme	WH	-	S. & K.	36024	21	35	7	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Waterloo-road 1st	H	-	L. & S.	15195	9	7	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Waterloo-road 2nd	H	-	L. & S.	16321	20	13	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Church 1st	H	-	L. & S.	19876	14	18	4	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Church 2nd	WH	-	L. & S.	39559	21	55	8	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newington 1st	-	L. & S.	45292	28	17	6	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newington 2nd	-	L. & S.	33332	17	13	5	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newington 3rd	-	L. & S.	32332	24	39	5	12	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newington 4th	-	L.	19017	11	6	1	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch St. Battersea	-	-	S.	54675	39	27	8	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch St. Battersea	WH	-	S.	55287	40	45	10	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch St. Ephraim	H	-	S.	34390	20	21	5	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Wandsworth	WHL	-	S.	28004	22	20	5	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Wey	-	-	S.	12325	6	5	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Weymouth	W	-	L.	25553	13	13	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Weymouth	-	-	L. & S.	5590	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Weymouth	-	-	S. & L.	59104	31	43	9	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Weymouth	-	-	S., L., & K.	71089	54	35	8	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Weymouth	-	-	L. & S.	40810	39	24	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Paul Deptford	W	-	K.	76752	59	48	9	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Nicholas Deptford	-	-	K.	7901	3	2	1	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Deptford	H	-	K.	21972	12	11	4	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick East	WHH	-	K.	34608	20	23	5	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick	H	-	K.	5043	-	2	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick	H	-	K.	21559	5	12	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick	WH	-	K.	19865	22	11	4	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick	H	-	L.	36076	15	13	3	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick	HH	-	K.	10930	7	9	1	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Dockyard	-	-	K.	17617	14	5	1	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Arsenal	HH	-	K.	19045	5	13	5	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick West	H	-	K.	14009	14	4	2	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick East	W	-	K.	19241	23	16	5	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Hospital Ships and Camp, Dartford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Hill Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick Asylum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoreditch Newick As																				



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS) AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 20th December, 189

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Enu- me- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include											
						Deaths of		Deaths from									
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LONDON—OUTER RING		370,924	950,957	678	552	139	163	-	35	6	5	7	6	3	13	33	32
30:1	Carshalton <i>wL</i> -	12238	21118	3	5	-	5	-	-	-	1	-	-	-	-	-	-
2	Epsom (part of)* <i>WwH</i>	9971	10710	6	8	1	3	-	-	-	-	-	-	-	-	-	4
37:1	Godstone (part of)* -	2754	1235	-	1	-	-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon <i>WwL</i> -	20851	101241	48	45	10	15	-	-	-	1	-	-	-	-	3	3
2	Mitcham <i>w</i> -	11697	17932	8	6	2	3	-	-	-	-	-	-	-	-	1	-
39:1	Wimbledon <i>HHH</i> -	3220	15950	6	12	2	7	-	-	-	-	-	-	-	1	1	-
2	Kingston <i>WHH</i> -	8549	36354	21	14	4	7	-	-	-	1	-	-	-	-	1	2
3	Esher (part of)* -	6601	9221	10	2	-	-	-	-	-	-	-	-	-	-	-	-
4	Hampton <i>H</i> -	4573	13539	3	8	2	2	-	-	-	-	-	-	-	2	2	-
40:1	Richmond <i>WH</i> -	2272	21302	10	13	-	8	-	1	-	-	-	-	-	-	2	3
2	Mortlake -	2941	12331	6	5	2	1	-	-	-	-	-	-	-	-	-	-
41:1	Bromley(pt.of)* <i>HHHH</i>	15669	31142	18	8	2	3	-	-	-	1	1	-	-	-	-	-
2	Chislehurst(pt.of)* <i>WHH</i>	14307	15844	13	4	1	1	-	-	-	-	-	-	-	-	-	1
42:1	Bexley <i>H</i> -	13437	24134	18	9	5	1	-	-	-	-	-	-	-	-	1	-
2	Dartford ( <i>Ww</i> , pts. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury <i>w</i> -	11055	11635	7	7	3	2	-	1	-	-	-	-	1	-	1	-
2	Staines <i>W</i> -	13277	12089	7	4	3	1	-	-	-	-	-	-	-	-	-	-
125:1	Hillingdon <i>WHH</i> -	6029	10802	9	11	5	5	-	-	-	-	-	-	-	-	1	-
2	Uxbridge -	6178	5225	1	1	-	-	-	-	-	-	-	-	-	-	-	-
3	Hayes <i>wHL</i> -	14537	11523	7	9	1	1	-	4	-	-	-	-	-	-	1	-
126:1	Isleworth <i>WHH</i> -	7008	22727	12	17	5	3	-	-	-	-	-	-	1	-	-	2
2	Twickenham <i>H</i> -	2477	12479	8	8	3	3	-	-	-	-	-	-	-	-	-	-
3	Brentford <i>HL</i> -	4345	27649	16	22	5	7	-	1	1	-	1	-	-	-	1	1
4	Chiswick -	1340	15975	14	12	3	2	-	3	-	1	-	-	-	-	2	-
5	Acton <i>wH</i> -	6033	22876	15	11	2	2	-	1	-	-	-	-	-	-	2	-
127:1	Harrow <i>H</i> -	13809	12796	7	6	1	5	-	-	-	-	-	-	-	-	-	-
2	Edgware <i>H</i> -	6994	3749	3	2	-	2	-	-	-	-	-	-	-	-	-	-
3	Willesden -	4383	27453	33	19	2	7	-	2	-	-	-	1	-	-	-	-
4	Hendon <i>W</i> -	8332	10484	11	7	2	1	-	-	-	-	-	-	-	-	-	-
137:1	Bushy -	9331	6621	3	1	-	1	-	-	-	-	-	-	-	-	-	-
2	Watford ( <i>W</i> , pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128:1	South Mimms -	15599	6391	4	3	2	-	-	-	-	-	-	-	-	-	-	-
2	Barnet -	5433	10092	5	6	1	3	-	-	-	-	-	-	-	2	2	1
3	Finchley <i>HL</i> -	4683	17615	9	8	2	2	-	-	-	-	-	-	1	-	-	-
135:1	Hatfield (part of)* -	3306	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:1	Hornsey <i>H</i> -	3039	37078	26	19	2	7	-	-	-	-	-	-	-	1	2	-
2	Tottenham <i>H</i> -	4642	46456	40	32	5	7	-	-	2	-	-	-	-	2	5	1
3	Edmonton <i>Ww</i> -	7453	23463	18	12	1	7	-	-	-	-	-	-	-	2	2	4
4	Enfield <i>WH</i> -	12653	19104	15	6	1	1	-	1	-	-	-	-	-	-	-	1
5	Waltham Abbey -	11017	5363	3	4	2	2	-	-	-	-	-	-	-	-	-	-
6	Cheshunt <i>H</i> -	8490	7735	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136:1	Stratford -	892	28606	21	17	5	2	-	1	-	-	-	-	-	1	1	1
2	West Ham <i>wHHH</i> -	4055	90347	97	81	21	16	-	17	3	-	2	1	-	-	-	1
3	East Ham <i>w</i> -	3296	10706	19	14	7	3	-	-	-	-	-	1	-	-	-	-
4	Leyton <i>WwL</i> -	4372	32430	31	26	7	5	-	3	-	-	1	1	-	1	1	6
5	Walthamstow <i>H</i> -	6526	28869	32	22	9	3	-	-	-	-	-	-	-	-	-	-
137:1	Chigwell (part of)* <i>H</i>	11761	9039	12	6	2	3	-	-	-	-	1	1	-	-	-	-
2	Epping ( <i>W</i> , pt. of)* -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
139:1	Romford (part of)* <i>W</i>	6730	3411	4	2	-	1	-	-	-	-	-	-	-	-	-	1
2	Ilford -	3493	7645	4	5	3	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town -	4127	9203	10	11	3	3	-	-	-	-	1	1	-	1	1	-

\* The parts of sub-districts included within that portion of the Metropolitan Police District, which forms the Outer Ring are as follows: 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37: 1, the parishes of Warrington and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadnam & Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chislehurst (pop. 947); 135: 1, the parish of Norton in Hatfield sub-district; 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 20th December, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from									Deaths in Public Institutions.
						Infants under 1 Year of Age.	Persons aged 50 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.		
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
GREATER LONDON	448,334	5,758,500	25.0	2.6	2758	553	794	-	135	20	37	60	22	16	84	531	
INNER LONDON -	77,410	4,421,661	26.0	2.7	2206	414	631	-	100	14	32	53	16	13	71	498	
OUTER RING -	370,924	1,336,839	21.5	2.4	552	139	163	-	35	6	5	7	6	3	13	33	

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 60.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.	
CALCUTTA	433,219	October 25	-	225	27.1	-	1	-	1	2	95	30†	
MADRAS	778,196	November 1	-	214	25.7	-	-	-	-	-	89	23†	
BOMBAY	778,196	" 25	322	333	19.8	-	4	-	-	-	94	13	
COCHIN	398,777	" 7	800	276	36.0	-	3	-	-	-	64	38†	
CEYLON	2,260,945	December 13	1286	1070	24.6	1	21	4	34*	3	20	40	
PARIS (8 Faubourgs.)	477,288	" 13	250	194	21.2	2	7	-	-	3	1	17	
AMSTERDAM	406,302	" 6	274	201	25.7	-	16	-	3	5	3	-	
ROTTERDAM	203,486	" 6	143	78	19.9	-	1	-	1	2	-	-	
THE HAGUE	156,497	" 6	114	82	27.2	-	-	-	1	1	-	2	
COPENHAGEN	312,887	" 13	235	107	17.9	-	3	3	8	2	-	4	
STOCKHOLM	236,350	" 6	171	93	20.5	-	5	10	6*	2	1	5	
CHRISTIANIA	143,300	" 13	51	53	19.2	-	-	4	7	-	1	5	
PETERSBURG	924,466	" 6	-	401	22.6	13	8	11	6	1	9	25	
BRUSSELS	1,547,533	November 29	1024	517	17.1	-	1	-	40	7	-	20	
BRUSSELS (State)	691,647	December 6	-	-	-	-	-	-	-	-	-	-	
BERLIN	269,250	" 6	134	106	20.5	-	-	3	9*	-	-	1	
BOLOGNA	324,400	" 13	230	168	27.4	-	-	4	14*	3	-	6	
BONNE	298,000	" 13	-	163	24.6	-	4	-	9*	1	-	11	
BREMEN	822,176	" 13	613	351	19.2	5	11	-	11	-	2	12	
BRUSSELS	314,425	" 13	-	152	25.2	3	-	2	4	1	-	3	
BRUSSELS (State)	463,017	" 6	349	259	29.1	-	-	11	25	-	3	12	
BRUSSELS (State)	160,092	" 13	113	66	21.4	-	-	-	5*	-	2	-	
BRUSSELS (State)	417,392	November 8	202	156	19.8	-	1	-	12	1	13†	12	
BRUSSELS (10 days)	314,827	October 10	183	153	17.7	-	-	-	1	1	5	21	
BRUSSELS (10 days)	166,800	December 6	84	103	34.3	17	3	-	4*	-	-	6	
BRUSSELS (10 days)	374,838	November 6	333	263	37.2	-	-	-	2*	-	8	93	
BRUSSELS (10 days)	231,396	" 6	169	159	35.7	-	-	-	4*	2	10	53	
NEW YORK	1,617,997	" 29	-	654	20.7	-	12	10	22	3	5	8	
NEW YORK	871,852	" 29	-	363	22.2	-	1	10	16	5	5	5	
NEW YORK	1,064,277	" 29	-	585	18.9	-	-	5	11	1	15	5	
NEW YORK	500,343	December 6	-	159	18.2	-	-	1	4	1	1	-	
NEW YORK	254,000	" 15	-	-	-	-	-	-	-	-	-	-	

\* Including deaths from croup.

† Including 3 deaths in each week from cholera in Calcutta, and 1 in Madras.

‡ Including 10 deaths from malarial fever.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 20TH DECEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										Difference between the Air Temperature and Dew Point Temperature.										Of the Radiation.				Wind as deduced from Anemometers.				Rain	
Phases of the Moon.		Of the Air.			Of the Point.			Mean daily value.			Least.			High-est.			Low-est.			General Direction.		Pressure on the Square Foot.		Robinson's.		Ozone.					
		High-est.	Low-est.	Daily Range.	Mean daily value.	De-parture Average of years.	Mean daily value.	Great-est.	Least.	High-est.	Low-est.	High-est.	Low-est.	A.M.	P.M.	Great-est.	Least.	Mean hourly obs.	Horizontal Movement of the Air.	Depar-ture from Average of 10 Years.	Miles.	Miles.	in.	Gauge whose rain fell above Ground.							
DECEMBER.																															
SUN.	14	Perigee.	29.865	17.1	12.2	23.5	-18.0	22.8	0.7	3.0	0.0	97	36.2	12.9	38.4	35.9	E. & NE	NE. & SW.	lbs.	lbs.	Miles.	Miles.	in.	0.00							
MON.	15	..	29.544	23.0	7.3	27.4	-13.7	26.3	1.1	4.8	0.0	96	33.5	20.5	36.2	35.9	SW. & WSW.	SE. & ESE.	0.0	0.0	131	131	0.05	0.0							
TUES.	16	..	29.612	28.8	25.2	5.6	26.5	21.8	4.7	6.6	5.0	81	32.6	20.5	36.0	35.1	ESE. & E.	ESE. & ENE. & N.E.	1.1	0.0	189	189	0.00	3.0							
WED.	17	..	29.727	31.8	23.9	7.9	28.4	25.4	3.0	4.6	0.7	88	37.7	22.8	33.0	34.6	NE. & NNE.	NNE. & NE.	0.6	0.0	250	250	0.02	0.0							
THURS.	18	First Qr.	29.570	31.4	27.3	4.1	29.6	24.0	5.6	7.8	4.0	79	35.9	27.0	36.2	34.6	NNE. & ENE.	S. & SE.	1.2	0.0	127	127	0.00	0.0							
FEL.	19	In Equator.	29.056	29.8	23.2	6.6	27.1	25.4	1.7	3.3	0.0	93	34.4	22.0	36.4	34.5	ESE. & ENE.	NE. & NW. & WSW.	1.2	0.0	223	223	0.26	0.0							
SAT.	20	..	29.707	33.1	16.7	16.4	26.0	25.4	0.6	2.3	0.0	97	34.9	16.0	34.4	34.1	ENE. & NNE.	NE. & ENE.	0.3	0.0	204	204	0.30	0.0							
MEANS	.	..	29.583	30.6	22.1	8.6	26.9	24.4	2.5	4.6	1.1	90	35.0	20.1	35.9	35.0	NE.		..	..	Sum 1220.	Sum -945	Sum 0.63	0.4							
No. of Col.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27						

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the aneroid records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Office Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: - P. positive; N. negative; W. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer decreased from 29.83 in. at the beginning of the week to 29.50 in. by 3h. P.M. on the 15th; increased to 29.78 in. by 9h. P.M. on the 17th; decreased to 29.04 in. by 9h. A.M. on the 18th; and increased to 29.88 in. by the end of the week.

DATE.		ELECTRICITY.		Registered Sunshine, in hours.		Sun above Horizon, in hours.		GENERAL REMARKS.	
DECEMBER.		(For explanation of symbols, see Note.)		Sun above Horizon, in hours.		Sun above Horizon, in hours.			
SUNDAY	14	s. P. in morning; w. P. afterwards.	0 0	7 8	0 0	7 8	0 0	Cloudless throughout; fog of variable density. Much hoar frost.	
MONDAY	15	w. P. till afternoon: s. P. afterwards.	0 0	7 8	0 0	7 8	0 0	Thick fog in morning; overcast with occasional snow all evening; cloudless at night.	
TUESDAY	16	w. P. generally	0 0	7 8	0 0	7 8	0 0	Partially cloudy in morning; overcast afterwards.	
WEDNESDAY	17	w. P. till afternoon; v. P. afterwards.	0 0	7 7	0 0	7 7	0 0	Overcast generally; frequent snow in afternoon.	
THURSDAY	18	m. P. generally	0 0	7 7	0 0	7 7	0 0	Overcast.	
FRIDAY	19	w. P.	0 0	7 7	0 0	7 7	0 0	Overcast; snow falling nearly continuously till evening.	
SATURDAY	20	m. P. till 3h. A.M.; discharge pipe frozen afterwards.	0 0	7 7	0 0	7 7	0 0	Overcast; snow fell during greater part of the day. Unusually low temperature since December 10.	
			Sum 0 0	Sum 54 2	Sum 0 0	Sum 54 2	Sum 0 0		

# WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 52. 1890. VOL. LI.]      WEEK ENDING SATURDAY, DECEMBER 27.      [Price 1½d.

General Register Office, Somerset House,  
29th December, 1890.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 27·8 per 1000 of their aggregate population, which is estimated at\* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns alphabetically arranged, corresponded to the following annual rates per 1000:—

TOWNS.	Weeks ending				TOWNS.	Weeks ending			
	Dec. 6.	Dec. 13.	Dec. 20.	Dec. 27.		Dec. 6.	Dec. 13.	Dec. 20.	Dec. 27.
Birkenhead	26·8	23·8	27·8	24·3	Liverpool -	24·7	21·9	26·9	34·9
Birmingham	21·0	18·5	21·8	22·7	London -	20·4	21·1	26·0	26·3
Blackburn -	20·3	20·3	25·7	27·0	Manchester -	28·2	27·2	31·9	43·6
Bolton -	27·9	26·1	27·0	34·7	Newcastle-on-Tyne	24·3	18·9	25·6	24·3
Bradford	16·7	19·7	18·6	24·5	Norwich -	23·5	23·5	26·8	27·3
Brighton -	16·0	25·7	22·3	15·2	Nottingham -	16·2	18·5	20·0	26·4
Bristol	21·1	22·5	21·6	30·8	Oldham -	25·6	19·5	26·3	25·9
Cardiff	22·3	12·9	29·4	26·3	Plymouth -	20·5	23·2	28·5	21·8
Derby -	17·1	16·5	16·0	20·7	Portsmouth -	19·7	21·2	20·4	25·5
Halifax -	29·9	26·7	26·7	41·3	Preston -	36·2	33·2	51·6	44·6
Huddersfield	21·0	17·7	26·0	26·6	Salford -	22·8	18·9	25·2	30·3
Hull -	12·7	15·6	16·1	16·6	Sheffield -	23·7	27·4	25·2	29·6
Leeds	21·6	20·8	22·9	28·8	Sunderland	26·4	23·3	19·9	32·9
Leicester -	19·9	16·2	15·2	27·7	Wolverhampton -	18·8	20·6	21·9	34·4

The highest annual death-rates, measured by last week's mortality, were:—from *measles*, 2·0 in Birkenhead, 2·2 in Manchester, 2·6 in Salford, 3·2 in Bolton, 3·8 in Bristol, and 5·5 in Preston; from *scarlet fever*, 1·0 in Preston, 1·5 in Sunderland, and 1·9 in Halifax; and from *whooping-cough*, 1·1 in Norwich, 1·3 in Cardiff, and 1·9 in Sunderland. The death-rate from "*fever*" did not reach 1·0 in any of the twenty-eight towns. The 55 deaths from *diphtheria* included 31 in London, 5 in Manchester, 5 in Portsmouth, 2 in Norwich, and 2 in Birmingham. No death from *small-pox* was registered in any of the twenty-eight towns.

## LONDON.

In LONDON 1771 BIRTHS and 2231 DEATHS were registered. Allowing for increase of population, the births were 639 below, while the deaths exceeded by 316, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21·1 and 26·0 in the previous two weeks, further rose last week to 26·3. During the past thirteen weeks of the current quarter the death-rate averaged 20·6 per 1000, exceeding by 0·7 per 1000 the mean rate in the corresponding quarters of the ten years 1880-89.

\* The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.



The 2231 deaths included 84 from measles, 14 from scarlet fever, 31 from diphtheria, 43 from whooping-cough, 9 from enteric fever, 2 from ill-defined forms of continued fever, 15 from diarrhœa and dysentery, and not one from small-pox, typhus, or cholera; thus, 198 deaths were referred to these diseases, being 41 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 9; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from *measles*, which had increased in the preceding three weeks from 91 to 100, declined last week to 84, but exceeded the corrected average by 11. The deaths from *scarlet fever*, which had been 30 and 14 in the preceding two weeks, were again 14 last week, and 21 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1685 scarlet-fever patients at the end of last week, the numbers on the preceding seven Saturdays having decreased from 2122 to 1752; 78 cases were admitted during the week, against 125 and 108 in the preceding two weeks. The deaths from *diphtheria*, which had been 45 and 32 in the preceding two weeks, were 31 last week, and exceeded the corrected average by 9. The deaths from *whooping-cough*, which had increased in the preceding two weeks from 27 to 53, declined last week to 43, and were 22 below the corrected average. The deaths from *diarrhœa* and *dysentery*, which had been 12 and 13 in the preceding two weeks, were 15 last week, and scarcely differed from the corrected average.

The 9 deaths from *enteric fever* were considerably lower than the number in any recent week, and little more than half the corrected average. The Metropolitan Asylum Hospitals contained 168 cases of enteric fever, and one of typhus, on Saturday last; 16 cases of enteric fever were admitted in the week, against 17 and 16 in the preceding two weeks.

Three deaths were primarily attributed to "*influenza*."

The deaths referred to diseases of the respiratory organs, which, under the influence of cold and fog, increased from 444 to 753 in the preceding three weeks, further increased last week to 806, and exceeded the corrected average by 296.

The age of a widow, who died at 35, Markham Square, Chelsea, was stated to be 101 years; the ages of 18 other persons who died during the week were stated to be over 90 years.

Different forms of violence caused 70 deaths, concerning all but 5 of which inquests were held. Of these 70 deaths, 5 were cases of suicide, and one of murder, while the remaining 64 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 15 by burns or scalds, 2 by poison, 3 by drowning, 14 (including 13 of infants aged under one year) by suffocation, and one of an infant, one month old, to "operation for circumcision, erysipelas."

#### GREATER LONDON.

In Greater London 2288 births and 2795 deaths were registered, corresponding to annual rates of 20·7 and 25·3 per 1000 of the estimated population. In the Outer Ring 24 deaths were referred to measles, 15 to whooping-cough, 8 to "fever," and 6 to diphtheria. The deaths from measles included 14 in West Ham sub-district. Of the deaths from whooping-cough, 4 occurred in Kingston and 3 in West Ham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* last week was 30·09 ins.; the lowest reading was 29·84 ins. on Tuesday afternoon, and the highest 30·19 ins. on Wednesday evening. The mean temperature of the *air* was 28°·1, and 11°·1 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average throughout the week, the coldest day being Monday, when the mean temperature was only 18°·7, and 20°·7 below the average. The general direction of the *wind* was Easterly, and the horizontal movement of the air averaged 5·3 miles per hour, which was 7·3 miles below the average in the corresponding weeks of 16 years. Melted snow was measured on Saturday to the extent of 0·03 of an inch. No bright sunshine was registered at Greenwich, against 5·6 hours at Glynde Place, Lewes.

TABLE 2.—BIRTHS, DEATHS, AND METEOROLOGY IN 28 GREAT TOWNS, during the Week ending 27th December 1890.

CITIES AND BOROUGH.	POPULATION estimated to the middle of the Year 1890.*	Registered during the Week ending 27th Dec, 1890.			The DEATHS registered in the Week include										TEMPERATURE OF THE AIR.						RAINFALL.		CITIES AND BOROUGH.																			
		BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Unofficial Causes of Death.	From All Causes.				From Colds, &c.				Mean.		In Inches.	In Cent.														
																	Deaths of	Deaths from	Deaths in	Deaths of	Deaths from	Deaths in		Deaths of	Deaths from	Deaths in			Deaths of	Deaths from	Deaths in	Deaths of	Deaths from	Deaths in	Deaths of	Deaths from	Deaths in	Deaths of	Deaths from	Deaths in	Deaths of	Deaths from
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Cols.																		
28 TOWNS.	9,715,559	3898	5116	1012	1557	-	199	51	55	90	39	38	146	328	839	146	278	278	278	278	278	278	278	28 TOWNS.																		
LONDON.	4,421,661	1771	2231	389	744	-	84	14	31	43	11	15	70	150	474	32	263	263	263	263	263	263	263	LONDON.																		
BRIGHTON.	123,659	30	36	7	11	-	1	1	1	1	1	1	1	1	2	1	15	15	15	15	15	15	15	BRIGHTON.																		
PORTSMOUTH.	142,952	61	70	11	26	-	-	-	5	-	-	-	-	3	11	1	25	25	25	25	25	25	25	PORTSMOUTH.																		
NORWICH.	95,352	50	50	7	23	-	-	-	2	2	1	1	-	3	6	1	27	27	27	27	27	27	27	NORWICH.																		
PLYMOUTH.	78,780	36	33	10	11	-	-	-	-	-	-	-	3	6	4	-	21	21	21	21	21	21	21	PLYMOUTH.																		
BRISTOL.	232,248	73	137	26	41	-	17	1	1	1	2	2	1	2	17	5	30	30	30	30	30	30	30	BRISTOL.																		
WOLVERHAMPTON.	83,406	26	55	15	21	-	-	-	-	-	-	-	1	2	9	2	34	34	34	34	34	34	34	WOLVERHAMPTON.																		
BIRMINGHAM.	461,805	145	201	49	53	-	1	2	2	2	-	-	13	24	37	7	22	22	22	22	22	22	22	BIRMINGHAM.																		
LEICESTER.	154,344	68	82	30	25	-	2	1	1	1	1	1	4	11	8	-	27	27	27	27	27	27	27	LEICESTER.																		
NOTTINGHAM.	244,909	95	124	18	41	-	3	-	1	1	3	2	4	8	25	1	26	26	26	26	26	26	26	NOTTINGHAM.																		
DERBY.	100,871	36	40	5	9	-	-	-	-	-	-	-	3	4	8	-	20	20	20	20	20	20	20	DERBY.																		
BIRKENHEAD.	105,019	41	49	10	15	-	4	1	1	2	2	3	8	10	51	35	34	34	34	34	34	34	34	BIRKENHEAD.																		
LIVERPOOL.	613,463	210	411	74	108	-	3	8	1	8	2	3	1	1	11	2	34	34	34	34	34	34	34	LIVERPOOL.																		
BOLTON.	115,846	42	77	16	17	-	7	1	1	1	1	1	1	3	11	2	34	34	34	34	34	34	34	BOLTON.																		
MANCHESTER.	879,437	145	317	49	99	-	16	1	5	3	5	1	7	30	55	7	43	43	43	43	43	43	43	MANCHESTER.																		
SAFORD.	242,509	85	141	29	28	-	12	1	1	1	1	-	1	4	17	8	30	30	30	30	30	30	30	SAFORD.																		
OLDHAM.	146,716	68	73	19	17	-	4	-	1	1	1	1	1	2	4	1	25	25	25	25	25	25	25	OLDHAM.																		
BLACKBURN.	123,553	63	64	14	18	-	-	-	1	1	2	-	1	2	2	3	27	27	27	27	27	27	27	BLACKBURN.																		
PRESTON.	105,163	41	90	21	24	-	11	2	-	-	-	1	1	2	7	5	44	44	44	44	44	44	44	PRESTON.																		
HUDDERSFIELD.	94,253	31	48	7	13	-	3	-	-	1	-	-	1	1	1	1	26	26	26	26	26	26	26	HUDDERSFIELD.																		
HALEFAX.	82,034	33	65	16	25	-	3	-	-	1	-	-	1	1	7	2	41	41	41	41	41	41	41	HALEFAX.																		
BRADFORD.	240,515	86	113	22	26	-	5	4	1	-	1	1	2	7	18	4	24	24	24	24	24	24	24	BRADFORD.																		
LEEDS.	363,799	103	201	52	41	-	7	2	1	2	4	2	6	17	15	6	28	28	28	28	28	28	28	LEEDS.																		
SHEFFIELD.	332,837	168	189	46	40	-	12	6	1	6	2	4	5	7	17	11	29	29	29	29	29	29	29	SHEFFIELD.																		
HULL.	213,853	83	68	9	27	-	-	-	-	-	-	-	-	-	10	3	16	16	16	16	16	16	16	HULL.																		
SUNDERLAND.	156,506	75	83	23	23	-	1	4	-	5	1	1	1	2	9	5	32	32	32	32	32	32	32	SUNDERLAND.																		
NEWCASTLE.	162,987	118	73	20	19	-	-	-	1	1	1	1	2	6	7	1	24	24	24	24	24	24	24	NEWCASTLE.																		
CARDIFF.	117,012	57	59	18	12	-	1	-	1	3	-	1	5	7	5	2	26	26	26	26	26	26	26	CARDIFF.																		
EDINBURGH.	271,135	111	105	12	35	-	-	1	1	5	4	2	1	?	21	22	20	20	20	20	20	20	20	EDINBURGH.																		
GLASGOW.	530,203	339	537	47	69	-	8	3	4	13	2	3	12	?	43	31	29	29	29	29	29	29	29	GLASGOW.																		
DUBLIN.	553,082	98	212	33	59	-	-	-	-	4	6	1	3	4	70	21	31	31	31	31	31	31	31	DUBLIN.																		

\* The recent extension of this borough will not be taken into account in the Weekly Returns until 1891.



*Births, Deaths, Meteorology.***TABLE 2. LONDON.—Births and Deaths Registered in the FIFTY-SECOND Week of each of the Eleven Years, 1880-90.**

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
<b>TOTAL Births</b>	2519	2386	2131	1847	1832	2996	2368	2326	1876	1815	2409.5	1771
Males . .	1294	1198	1080	945	941	1508	1206	1175	974	927	1226.6	873
Females .	1225	1188	1051	902	891	1488	1162	1151	902	888	1182.9	898
<b>TOTAL Deaths</b>	1648	2079	1719	1503	1430	2071	1899	1882	1641	1690	1915.1	2231
Males . .	841	1013	838	772	700	957	965	932	846	869	952.3	1069
Females .	807	1066	881	731	730	1114	934	950	795	821	962.8	1162

\* The numbers in this column are the average weekly numbers in the fifty-second weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

**TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.**

	Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov. 8.	Nov. 15.	Nov. 22.	Nov. 29.	Dec. 6.	Dec. 13.	Dec. 20.	Dec. 27.
<b>TOTAL Births</b>	2433	2409	2412	2512	2295	2173	2321	2206	1980	2240	2293	2202	1771
<b>TOTAL Deaths</b>	1413	1472	1741	1649	1817	1734	1709	1716	1527	1733	1787	2206	2231
<b>Ages at Death</b>													
{ 0-20 years	726	747	870	835	827	785	758	789	662	753	767	899	824
{ 20-40 "	170	180	204	200	206	222	239	226	207	205	210	257	251
{ 40-60 "	223	240	316	264	335	331	296	283	277	317	319	419	412
{ 60-80 "	253	254	281	296	372	318	313	350	300	372	391	515	602
{ 80 years & upwards	41	51	70	51	76	78	73	68	81	81	100	116	142
<b>" { Under 1 year</b>	433	436	491	429	413	393	392	369	296	362	354	414	389
{ 1-5	193	213	260	306	303	283	257	308	266	296	304	384	333
{ 5-20	100	98	119	100	111	109	109	112	100	100	109	101	102
<b>Deaths from Small-pox</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
" " Measles	30	38	59	70	95	74	63	76	76	91	92	100	84
" " Scarlet fever	20	20	20	29	16	23	15	26	27	23	30	14	14
" " Diphtheria	38	38	41	23	26	50	29	37	48	41	45	32	31
" " Whooping-cough	18	19	30	28	19	20	25	33	15	28	27	53	43
" " Typhus	-	-	-	-	-	-	1	-	-	1	-	-	-
" " Enteric fever	24	24	21	15	26	29	24	23	12	16	13	16	9
" " Simple Cont <sup>d</sup> fever	1	1	2	1	-	-	-	-	2	-	-	-	2
" " Diarrhoea and Dysentery	105	94	75	55	43	26	19	11	16	4	12	13	15
" " Cholera	3	2	2	-	-	-	1	-	-	-	-	-	-
" " all the above-mentioned Diseases	229	246	250	221	225	222	177	206	196	204	219	228	198
" " Dis. of Respiratory System	262	197	340	417	450	465	465	459	375	444	487	753	806
" " Phthisis	123	147	204	139	189	153	174	184	151	189	161	203	187
" " Dis. of Circulatory System	160	123	144	151	156	141	139	134	130	167	157	200	189
<b>Violent Deaths</b>	61	49	52	50	57	65	55	56	64	55	61	71	70
<b>Inquest Cases</b>	107	113	123	114	119	143	131	109	127	121	143	164	150
<b>Deaths in Public Institutions</b>	335	346	397	382	395	432	410	426	404	403	426	498	474
<b>TEMPERATURE OF THE AIR</b>													
Mean	56.7	54.3	47.7	48.2	43.6	45.2	44.5	50.0	34.3	35.3	30.6	26.9	28.1
Mean of Highest readings	66.3	64.1	56.5	54.4	50.4	51.7	52.4	54.0	39.8	39.0	33.7	30.6	32.0
Mean of Lowest readings	49.3	45.5	39.8	43.2	36.3	39.0	37.3	45.1	28.9	30.4	27.1	22.1	22.2
<b>Humidity of the Air</b>	76	82	82	83	85	82	88	90	82	87	91	90	90
<b>Rain-fall in inches</b>	0.00	0.33	0.20	0.45	0.23	0.77	0.28	0.19	0.18	0.09	0.00	0.63	0.03
<b>Registered Sunshine (in hours)</b>	36.9	36.5	16.0	8.8	12.6	16.4	16.2	3.1	0.8	2.8	1.0	0.0	0.0

**METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)**

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton; B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; L. Simpson, Esq., Wrotesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegg, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McIandborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FIFTY-SECOND Week of the Year 1890.

CAUSES OF DEATH.	Corrected Averages for the 52nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 27th December 1890.										CAUSES OF DEATH.	Corrected Averages for the 52nd Weeks of the 10 years 1880-89.*	In the Week ending Saturday, 27th December 1890.											
		Deaths of Persons of the Ages												Deaths of Persons of the Ages											
		ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 and under 90.	90 Years and upwards.	ALL AGES.			Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 and under 90.	90 Years and upwards.				
			0-1.	1-4.	5-20.									0-1.	1-4.	5-20.									
ALL CAUSES -	1915.1	2231	389	333	102	251	412	602	142		Diseases of Organs of Special Sense † -	2.1	1	-	-	1	-	-	-	-	-				
Small-pox { Vaccinated † -	2.8	-	-	-	-	-	-	-	-	-	Diseases of Circulatory System - - -	151.5	189	2	2	12	19	51	89	14					
Small-pox { Unvaccinated -	3.4	-	-	-	-	-	-	-	-	-	Croup - - -	18.3	12	1	11	-	-	-	-	-	-				
Small-pox { No Statement -	3.2	-	-	-	-	-	-	-	-	-	Bronchitis - - -	319.2	547	88	69	5	16	89	234	46					
Measles - - -	73.1	84	11	68	5	-	-	-	-	-	Pneumonia - - -	115.8	153	25	40	10	28	27	24	4					
Scarlet Fever - - -	35.2	14	3	7	4	-	-	-	-	-	Pleurisy - - -	7.0	11	1	-	1	4	2	3	-					
Typhus - - -	0.7	-	-	-	-	-	-	-	-	-	Other Diseases of Respiratory System - -	49.2	78	5	9	1	5	25	30	5					
Relapsing Fever † - -	0.0	-	-	-	-	-	-	-	-	-	Dentition † - - -	13.4	14	9	5	-	-	-	-	-	-				
Influenza - - -	0.2	3	-	-	-	2	1	-	-	-	Quinsy, Sore Throat † -	2.4	1	1	-	-	-	-	-	-	-				
Whooping-cough - -	65.0	43	16	25	2	-	-	-	-	-	Enteritis - - -	7.1	6	1	-	-	1	2	2	-	-				
Diphtheria - - -	21.6	31	1	19	9	1	1	-	-	-	Peritonitis - - -	9.4	4	-	-	1	1	1	1	-	-				
Simple Continued and Ill-defined Fever -	1.1	2	-	1	1	-	-	-	-	-	Diseases of Liver - - -	32.8	27	5	1	-	3	10	6	2					
Enteric Fever - - -	17.1	9	-	1	2	6	-	-	-	-	Other Diseases of Digestive System -	35.5	32	6	1	2	2	9	10	2					
Cholera and Chol. Diarr.	0.2	-	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands † - -	1.5	4	-	1	-	1	2	-	-					
Diarrhoea, Dysentery -	15.5	15	8	4	1	-	-	2	-	-	Diseases of Urinary System - - -	45.6	52	-	2	3	8	15	21	3					
Remittent Fever † -	0.3	-	-	-	-	-	-	-	-	-	Diseases of Generative System - - -	7.0	5	-	-	-	2	1	2	-					
Hydrophobia - - -	0.1	-	-	-	-	-	-	-	-	-	Accidents of Childbirth -	4.8	6	-	-	1	5	-	-	-					
Glanders - - -	0.0	-	-	-	-	-	-	-	-	-	Diseases of Locomotive System † - - -	7.4	7	1	1	1	2	-	2	-					
Cowpox and Effects of Vaccination † -	0.3	-	-	-	-	-	-	-	-	-	Diseases of Integumentary System - -	6.3	5	1	-	-	-	2	1	1					
Veneral Affections -	9.4	5	2	-	-	1	2	-	-	-	VIOLENT DEATHS.‡														
Erysipelas - - -	7.1	12	5	-	-	1	3	3	-	-	(ACCIDENT.)														
Pneumia and Septicæmia †	3.4	5	1	1	1	1	1	-	-	-	Fracture and Contusion -	19.1	25	2	2	1	7	7	3	3					
Puerperal Fever - -	6.4	8	-	-	1	6	1	-	-	-	Gunshot Wound - - -	0.3	-	-	-	-	-	-	-	-					
Other Zymotic Diseases †	2.1	1	1	-	-	-	-	-	-	-	Cut, Stab - - -	0.5	-	-	-	-	-	-	-	-					
Thrush - - -	1.7	-	-	-	-	-	-	-	-	-	Burn and Scald - - -	8.6	15	-	6	2	-	3	4	-					
Worms and other Parasitical Diseases -	0.2	1	-	-	-	1	-	-	-	-	Poison - - -	1.0	2	-	1	-	-	-	-	1					
Starvation, Want of Breast-milk † -	1.6	1	1	-	-	-	-	-	-	-	Drowning - - -	3.4	3	-	-	-	2	1	-	-					
Alcoholism - - -	6.4	13	-	-	-	6	5	2	-	-	Suffocation - - -	24.3	14	13	-	-	-	1	1	-					
Rheumatic Fever, Rheumatism of Heart †	9.1	9	-	-	3	5	-	1	-	-	Otherwise - - -	2.5	6	2	-	1	2	-	-	-					
Rheumatism † - - -	2.1	5	-	-	1	-	-	4	-	-	(HOMICIDE.)														
Gout - - -	3.9	2	-	-	-	-	1	-	1	-	Murder & Manslaughter -	1.0	1	1	-	-	-	-	-	-					
Rickets † - - -	2.0	7	2	4	1	-	-	-	-	-	(SUICIDE.)														
Cancer - - -	57.2	64	-	2	1	5	32	23	1	-	Gunshot Wound - - -	0.9	2	-	-	-	1	1	-	-					
Tabes Mesenterica - -	22.2	25	13	10	1	1	-	-	-	-	Cut, Stab - - -	1.2	-	-	-	-	-	-	-	-					
Tubercular Meningitis -	23.9	23	6	14	2	1	-	-	-	-	Poison - - -	1.6	-	-	-	-	-	-	-	-					
Phthisis - - -	184.2	187	1	4	13	86	70	13	-	-	Drowning - - -	1.1	-	-	-	-	-	-	-	-					
Scrophula, Tuberculosis -	16.2	18	9	4	1	3	1	-	-	-	Hanging - - -	1.0	1	-	-	-	-	1	-	-					
Other Constitutional Diseases † -	11.1	14	1	-	2	6	4	1	-	-	Otherwise - - -	0.5	2	-	-	-	2	-	-	-					
Premature Birth - - -	40.1	41	41	-	-	-	-	-	-	-	(EXECUTION.)														
Atelectasis † - - -	3.8	4	4	-	-	-	-	-	-	-	Hanging - - -	0.0	-	-	-	-	-	-	-	-					
Congenital Malformations -	6.7	7	7	-	-	-	-	-	-	-	OTHER CAUSES † - -	66.0	55	48	3	-	2	2	-	-					
Old Age - - -	65.5	79	-	-	-	-	-	29	50	-															
Apoplexy - - -	53.9	53	1	-	1	2	13	33	3	-															
Epilepsy - - -	9.4	13	-	-	2	6	3	2	-	-															
Convulsions - - -	53.0	40	33	5	1	-	1	-	-	-															
Other Diseases of Brain and Nervous System	96.8	109	10	10	7	7	13	53	6	-															

\* The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 3.046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-89 has been used. Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

‡ The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."



TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending—

The DEATHS registered in the Week include																		
REGISTRATION SUB-DISTRICTS.		Enu- merated Popu- lation, 1881.	Total BIRTHS.	Deaths of		Deaths from										Inquest Cases,	Deaths in Public Institutions.	Uncertified Causes of Death.
				infants under 1 Year of Age.	Persons aged 60 Years upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.			
LONDON		3,815,704	1771	2231	389	744	-	84	14	31	43	-	9	2	15	70	150	474
WEST DISTRICTS		669,638	265	387	45	153	-	8	4	8	15	-	1	-	5	10	21	107
NORTH DISTRICTS		905,947	406	481	74	171	-	11	2	7	7	-	3	1	4	18	39	81
CENTRAL DISTRICTS		282,238	93	123	24	35	-	2	-	2	2	-	-	-	-	5	13	31
EAST DISTRICTS		692,738	381	420	94	124	-	29	2	8	3	-	1	-	3	17	48	99
SOUTH DISTRICTS		1,265,148	626	791	152	244	-	34	5	6	16	-	4	1	3	20	29	123
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON		-	-	25	-	14	-	-	1	-	-	-	-	-	-	-	-	25
WEST DISTRICTS.																		
St. Mary Paddington WHH G.J. & W.M.		69898	20	32	4	11	-	-	-	2	1	-	-	-	-	-	-	9
St. John Paddington H - - G.J.		37380	5	15	-	8	-	-	-	-	-	-	-	-	-	-	-	3
Kensington Town Ww - - W.M.		120141	38	71	9	39	-	-	-	1	3	-	1	-	-	1	3	22
Brompton H - - W.M. & C.		43010	7	14	2	1	-	-	-	-	-	-	-	-	-	1	1	5
St. Peter Hammersmith - - W.M.		7899	4	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H W.M. & G.J.		64340	37	44	3	20	-	3	-	1	2	-	-	-	-	1	3	1
Fulham Ww - - W.M. & C.		42900	48	52	9	13	-	4	3	6	-	-	-	-	-	-	-	12
Chelsea Kensal Town - - C.		15049	8	5	2	1	-	-	-	-	-	-	-	-	-	-	-	14
Chelsea North WHHHH - - C.		42683	20	31	2	16	-	-	-	1	-	-	-	-	-	1	3	4
Chelsea South HHH - - C.		30396	2	13	3	2	-	-	-	-	-	-	-	-	-	-	-	29
May Fair W - - G.J.		80353	5	23	1	15	-	1	-	1	1	-	-	-	-	1	3	12
Belgrave WHHH - - C.		59220	29	33	3	11	-	-	-	1	-	-	-	-	-	-	-	1
St. John Westminster HHH - - C.		35498	24	15	3	4	-	2	-	-	-	-	-	-	-	-	-	1
St. Margaret Westminster H - - C.		24679	5	10	1	4	-	-	-	-	-	-	-	-	-	1	1	2
St. James Westminster WHH N.R. & G.J.		29941	7	13	2	3	-	-	-	-	-	-	-	-	-	1	2	3
St. Anne Soho HHHHHH - - N.R.		16608	6	11	1	4	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone HHHHH W.M.		26759	3	15	-	7	-	-	-	-	-	-	-	-	-	1	1	3
Cavendish Square HHHH - - W.M.		14891	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Rectory Marylebone W - G.J. & W.M.		24809	5	14	4	6	-	-	-	-	-	-	-	-	-	-	-	1
St. Mary Marylebone HHHH G.J. & W.M.		31118	22	14	2	4	-	1	-	-	2	-	-	-	-	-	-	-
Christchurch Marylebone H - W.M.		33700	6	15	3	4	-	-	-	-	-	-	-	-	-	-	-	-
St. John Marylebone H - - W.M.		33658	9	16	1	6	-	-	-	-	-	-	-	-	-	-	-	-
Hampstead WwHHHH - N.R. & W.M.		45452	29	23	3	8	-	1	1	-	-	1	-	1	1	2	8	-
Regent's Park Pancras H - - W.M.		39115	13	10	3	1	-	-	-	1	-	-	-	-	-	1	-	-
Tottenham-court WHHHH N.R. & W.M.		27729	5	23	4	4	-	-	-	-	-	-	-	-	-	2	5	6
Gray's Inn Lane HHH - - N.R.		30247	13	19	6	4	-	-	-	-	-	-	-	-	-	-	-	-
Somers Town HH - - N.R.		34369	17	15	2	4	-	1	-	-	-	-	-	-	-	-	-	-
Camden Town WH - - N.R.		17811	20	25	8	10	-	-	-	1	-	-	-	-	-	2	4	10
Kentish Town W - - N.R.		37487	46	44	6	25	-	-	-	1	-	-	-	-	-	-	-	-
Upper Holloway WwWHH - - N.R.		67946	39	49	5	16	-	-	-	1	1	-	-	-	-	-	-	-
Islington South-west H - - N.R.		100976	40	50	6	18	-	2	-	1	-	-	-	-	-	-	-	-
Islington South-east - - N.R.		61825	17	31	6	13	-	-	-	-	-	-	-	-	-	2	3	-
Highbury H - - N.R.		32048	18	23	3	11	-	-	-	-	-	-	-	-	-	-	-	-
Stoke Newington H - - N.R.		22761	8	11	2	5	-	-	-	1	-	-	-	-	-	-	-	-
Stamford Hill - - E.L.		9277	7	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney H - - N.R.		37610	17	16	3	5	-	1	-	-	-	-	-	-	-	-	-	-
Hackney WwWHH - - E.L. & N.R.		76911	51	50	2	13	-	4	1	2	-	2	-	-	-	-	-	13
South Hackney - - E.L.		39888	19	17	4	7	-	2	-	-	1	-	-	1	-	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury - - N.R.		16681	8	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH - - N.R.		14864	12	8	5	2	-	-	-	1	-	-	-	-	-	-	-	-
St. Giles North H - - N.R.		13887	4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Martin-in-the-Fields HHN R. & C.		17508	8	11	1	1	-	-	-	-	-	-	-	-	-	-	-	7
St. Mary-le-Strand H - - N.R.		7615	-	8	-	3	-	-	-	-	-	-	-	-	-	1	2	4
St. Clement Danes WH - - N.R.		8559	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strand Union Workhouse, Edmonton w.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Geo.-the-Martyr HHHHHH N.R.		18671	5	14	2	1	-	1	-	1	1	-	-	-	-	-	-	6
St. Andrew Eastern W - - N.R.		10706	3	5	-	1	-	1	-	-	-	-	-	-	-	-	-	-
Saffron Hill H - - N.R.		6533	-	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell - - N.R.		17516	10	8	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell - - N.R.		19281	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Fentonville - - N.R.		14773	5	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Geoswell-street - - N.R.		17606	3	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Old-street H - - N.R.		11541	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City-road HHL - - N.R.		18628	16	10	2	2	-	-	-	-	-	-	-	-	-	1	1	2
Whitcross-street - - N.R.		9217	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Finebury - - N.R.		7468	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham w.		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - - N.R. & E.L.		11174	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate - - N.R.		7193	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H - - N.R.		5358	-	12	3	4	-	-	-	-	-	-	-	-	-	3	4	10
St. Bride W - - N.R.		8396	2	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking - - N.R.		18666	4	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street H - - N.R.		5652	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L\*—Private Lunatic Asylum, in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L. East London; and K. the Kent Company.

REGISTRATION		Enu- merated Popu- lation, 1881.	Total Births.	Total Deaths.	Deaths of												
SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid Fever.	Simple con- sumed Fever.	Diphtheria.	Violence.	Inquest Cases.
EAST DISTRICTS.																	
Bedford South	HL*	-	-	N.R.	22543	13	10	1	1	-	-	-	-	-	-	-	2
Bedford New Town	W	-	-	N.R.	29887	22	23	1	13	-	-	-	-	-	-	10	-
Bedford Old Town	-	-	-	N.R.	28638	24	15	3	5	-	-	-	-	-	-	-	-
Bedford Giggerston	WH	-	-	N.R. & E.L.	42975	30	29	6	5	-	-	-	-	-	1	2	1
Bedford Green North	H	-	-	E.L.	41157	27	20	7	12	-	-	-	-	-	1	2	-
Bedford Green South	-	-	-	E.L.	34890	22	9	5	2	-	-	-	-	-	1	2	-
Bedford Green East	WHL*	-	-	E.L.	41405	15	45	10	17	-	-	-	-	-	3	5	19
Bedford Fields	-	-	-	E.L. & N.R.	22585	2	12	5	2	-	-	-	-	-	-	1	2
Bedford End New Town	W	-	-	E.L.	15473	8	11	5	4	-	-	-	-	-	-	2	7
Bedford Chapel Church	H	-	-	E.L. & N.R.	17490	7	25	3	6	-	-	-	-	-	6	8	17
Bedford Edman's Fields	-	-	-	E.L.	9713	1	3	1	-	-	-	-	-	-	-	-	-
Bedford Digate	-	-	-	N.R. & E.L.	6102	2	3	-	-	-	-	-	-	-	-	-	-
Bedford George's North	-	-	-	E.L.	38747	23	22	8	7	-	-	-	-	-	-	4	2
Bedford John, St. George East	W	-	-	E.L.	8410	1	11	3	3	-	-	-	-	-	-	7	-
Bedford Adwell	H	-	-	E.L. & N.R.	10695	3	15	6	-	-	-	-	-	-	1	3	5
Bedford Adwell	-	-	-	E.L.	16107	3	8	1	3	-	-	-	-	-	-	4	-
Bedford Adwell	-	-	-	E.L.	32041	9	14	3	7	-	-	-	-	-	-	4	-
Bedford End Old Town West	H	-	-	E.L.	37960	34	14	2	6	-	-	-	-	-	2	-	-
Bedford End Old Town East	W & H	-	-	E.L.	67653	33	44	10	11	-	-	-	-	-	2	6	6
Bedford W L*	-	-	-	E.L.	37074	25	14	4	5	-	-	-	-	-	-	1	1
Bedford Comley	W & H	-	-	E.L.	64559	47	47	6	14	-	-	-	-	-	3	2	4
Bedford Comley	W & H	-	-	E.L.	56077	30	26	4	12	-	-	-	-	-	2	5	-
SOUTH DISTRICTS.																	
Bedford Rietchurch Southwark	WH	-	-	L. & S.	13663	2	5	2	1	-	-	-	-	-	-	-	1
Bedford Rietchurch Southwark	-	-	-	S.	14999	3	4	2	2	-	-	-	-	-	-	-	-
Bedford Rietchurch Southwark	-	-	-	S. & L.	21281	9	9	3	1	-	-	-	-	-	1	2	-
Bedford Rietchurch Southwark	-	-	-	S. & L.	15953	3	8	2	-	-	-	-	-	-	-	1	-
Bedford Rietchurch Southwark	-	-	-	L. & S.	21315	6	10	3	2	-	-	-	-				



TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 27th December, 1890.

Regis- tration District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, includ- ing Tidal Water and Fore- shore.	Ename- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the Week include													
						Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	
LONDON—OUTER RING		370,924	950,957	517	564	127	170	-	24	2	6	15	8	3	21	38	41	13	
30:1	Carshalton wL	12228	21118	5	8	3	4	-	-	-	-	-	-	-	-	-	-	1	
2	Epsom (part of)* WwH	9971	10710	-	2	2	-	-	-	-	-	-	-	-	-	1	-	-	
37:1	Godstone (part of)*	2754	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon Ww L	20851	101241	41	55	10	25	-	-	-	2	-	-	-	3	9	13	-	
2	Mitcham w	11697	17932	5	11	1	4	-	-	-	-	-	1	1	-	-	-	-	
39:1	Wimbledon HHH	3220	15950	11	10	4	2	-	-	-	-	-	-	-	1	1	-	-	
2	Kingston WHH	8549	36354	17	18	5	6	-	-	-	1	4	-	-	1	1	2	-	
3	Esher (part of)*	6601	9221	4	4	2	1	-	-	-	-	-	-	-	-	-	-	-	
4	Hampton H	4573	13539	1	5	1	2	-	-	-	-	-	-	1	-	-	-	-	
40:1	Richmond WH	2272	21302	6	11	-	5	-	1	-	-	-	-	-	-	-	1	-	
2	Mortlake	3941	13331	8	4	-	2	-	1	-	-	-	-	-	-	-	-	-	
41:1	Bromley(pt.of)*HHHH	15669	31142	13	18	1	1	-	-	-	-	-	-	-	-	-	-	-	
2	Chislehurst(pt.of)* WHH	14507	15844	5	10	1	2	-	-	-	-	-	-	-	-	-	1	2	
42:1	Bexley H	18437	24134	11	15	6	4	-	-	-	-	1	-	-	-	-	-	1	
2	Dartford (Ww, pts. of)*	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
124:1	Sunbury w	11055	11685	2	7	2	3	-	-	-	-	-	-	-	-	1	-	-	
2	Staines W	13277	12089	7	6	1	2	-	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon WHH	6029	10802	6	5	-	2	-	-	-	-	-	-	-	-	-	1	-	
2	Uxbridge	6178	3225	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Hayes wHL	14587	11523	6	6	1	1	-	1	-	-	-	1	-	1	1	-	-	
126:1	Isleworth WHH	7008	22727	10	11	2	4	-	-	-	-	-	-	-	-	-	3	-	
2	Twickenham H	2477	12479	1	4	1	2	-	-	-	-	-	-	-	-	-	-	-	
3	Brentford HL	4345	27649	16	17	5	7	-	1	-	-	-	1	-	-	1	2	-	
4	Chiswick	1340	15975	14	10	2	6	-	-	-	-	-	-	-	-	-	-	-	
5	Acton wH	6083	22376	10	11	-	6	-	-	-	-	-	-	-	-	-	-	-	
127:1	Harrow H	13809	12796	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	Edgware H	6994	3749	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
3	Willesden	4383	27453	23	24	5	8	-	1	-	1	1	-	-	1	2	-	-	
4	Hendon W	8332	10454	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
137:1	Bushey	9831	6621	3	4	2	2	-	-	-	-	-	-	-	-	-	-	-	
2	Watford (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms	15599	6391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Barnet	5433	10092	5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	
3	Finchley HL	4683	17615	8	7	3	-	-	-	-	-	-	-	-	-	1	-	-	
135:1	Hatfield (part of)*	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey H	3039	37073	20	14	3	7	-	-	-	-	1	-	1	-	-	-	-	
2	Tottenham H	4642	46456	50	37	6	10	-	-	-	1	2	1	-	1	2	3	-	
3	Edmonton Ww	7433	23463	17	11	2	7	-	-	-	-	-	-	-	-	2	3	-	
4	Enfield WH	12653	19104	15	17	8	2	-	-	-	-	-	-	-	1	1	-	-	
5	Waltham Abbey	11017	5363	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Cheshunt H	3480	7735	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
136:1	Stratford	882	38606	20	24	6	3	-	2	-	-	1	1	-	2	3	1	3	
2	West Ham wHHH	4055	90347	40	101	20	17	-	14	2	1	3	-	-	9	10	7	4	
3	East Ham wv	3296	10706	15	8	4	-	-	-	-	-	2	-	-	-	-	-	1	
4	Leyton WwL	4372	32430	24	22	3	9	-	2	-	-	-	-	-	-	-	2	-	
5	Walthamstow H	6520	23869	32	20	8	5	-	1	-	-	-	-	-	-	1	-	-	
137:1	Chigwell (part of)* H	11761	9839	5	7	1	2	-	-	-	-	1	-	-	1	1	1	-	
2	Epping (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
139:1	Romford (part of)* W	6730	3411	2	2	-	2	-	-	-	-	-	-	-	-	-	-	-	
2	Ilford	8493	7645	2	6	1	1	-	-	-	-	1	1	-	-	-	-	1	
3	Barking Town	4127	9203	9	4	-	2	-	-	-	-	-	-	-	-	-	-	-	

\* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:—30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warrington and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chislefield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 137:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.



TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 27th December, 1890.

GREATER LONDON.	Area in Acres, including tidal water and foreshore.	Estimated Population, middle of 1890.	ANNUAL RATE of MORTALITY per 1000 living.		DEATHS from  ALL CAUSES.	The DEATHS registered in the Week include													
			From All Causes.	From Diseases in Cols. 8-14.		Deaths of		Deaths from											
						Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Deaths in Public institutions.			
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.			
EATER LONDON	448,334	5,758,500	25·3	2·3	2795	516	914	-	108	16	37	58	19	18	91	515			
INNER LONDON -	77,410	4,451,661	26·3	2·3	2231	389	744	-	84	14	31	43	11	15	70	474			
OUTER RING	370,924	1,336,839	22·0	2·3	564	127	170	-	24	2	6	15	8	3	21	41			

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700·522 square miles, which is equivalent to the area of a circle having a radius of 14·933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of Stillborn.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
						Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.	
LCUTTA - -	433,219	November 8	-	203	24·4	-	-	-	-	-	93	30	
OMBAY - -	773,196	December 2	416	381	21·2	-	4	2	2	2	124	41†	
ADRAS - -	398,777	November 14	363	215	23·0	1	2	-	-	-	60	23	
RIS - - -	2,260,945	December 20	1141	1175	27·0	2	13	3	34*	9	14	50	
RUSSELS (8 Faubourgs.)	477,288	" 20	294	242	26·4	3	10	-	-	2	4	15	
STERDAM -	406,302	" 13	284	186	23·7	-	21	2	8	10	-	-	
OTTERDAM -	203,486	" 13	149	100	25·5	-	1	-	-	1	-	-	
THE HAGUE -	156,497	" 13	106	63	22·6	-	-	-	-	-	-	-	
COPENHAGEN -	312,387	" 20	199	118	19·7	-	5	2	10	1	-	4	
STOCKHOLM -	236,350	" 13	150	100	22·0	-	11	6	6*	-	1	4	
CHRISTIANIA -	143,300	" 20	47	37	13·4	-	-	2	-	-	1	1	
PETERSBURG	924,466	" 13	-	408	23·0	12	2	14	12	1	10	33	
BERLIN - -	1,547,533	" 6	926	575	19·0	-	2	1	30	7	1	29	
AMSBURG(State)	691,647	" 6	451	259	22·8	-	1	4	6*	2	2	15	
BRESSEN - -	269,250	" 13	178	70	13·5	-	1	2	1	-	-	2	
BRESLAU - -	324,400	" 20	250	146	23·8	-	-	5	6*	3	-	12	
MUNICH - -	298,000	" 20	-	146	22·0	-	3	-	6*	1	-	11	
VENNA - -	822,176	" 20	540	431	27·3	1	20	4	15	1	2	17	
LAGUM - -	314,425	" 20	-	184	30·5	-	1	1	5	-	3	2	
UDA-PESTH -	463,017	" 13	342	248	27·9	-	1	7	13	1	4	11	
RIESTE - -	160,092	" 20	106	105	34·1	-	-	-	6*	-	-	4	
OME - - -	417,392	November 15	-	-	-	-	-	-	-	-	-	-	
BRIN (10 days)	314,827	October 20	230	140	16·2	-	-	-	3	-	4	19	
BNICE - - -	156,800	December 13	78	105	34·9	12	1	-	5*	-	-	9	
AIRO - - -	374,338	November 13	330	262	36·3	-	-	-	4*	2	15	89	
ALEXANDRIA -	231,396	" 13	189	142	31·9	-	-	-	3*	-	12	42	
EW YORK - -	1,617,997	December 6	-	672	21·2	-	12	5	31	5	8	10	
ROOKLYN - -	871,852	" 6	-	351	21·4	-	2	8	16	2	6	2	
PHILADELPHIA -	1,064,277	" 6	-	586	18·9	-	-	11	10	2	10	5	
BALTIMORE - -	500,343	" 13	-	169	19·3	-	-	-	16	2	4	2	
EW ORLEANS -	254,000	November 22	-	131	26·9	-	-	-	1	1	2	14	
		" 29	-	155	31·8	-	-	-	1	1	-	8	

\* Including deaths from croup.

† Including 2 and 11 deaths respectively from cholera in Calcutta.



TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 27th DECEMBER, 1890.  
[Under the Superintendence of the Astronomer Royal.]

1890.		TEMPERATURE.										TEMPERATURE.										Wind as deduced from Anemometers.										Rain collected by Gauge whose receiving surface is 9 feet above the Ground.	
Month and Day.	Phases of the Moon.	Of the Air.					Difference between the Air Temperature and Dew Point Temperature.					Degree of Humidity (Saturation equals 100).		Of Radiation.				Of the Water on the Thames at Deptford.				General Direction.		Pressure on the Square Foot.		Robinson's.		Ozone.					
		High-est.	Low-est.	Daily Range.	Mean daily value.	De-prime Average of 20 years.	Mean daily value.	Great-est.	Least.	High-est in Days.	Lowest on the Grass.	High-est.	Low-est.	A.M.	P.M.	Great-est.	Least.	Mean hourly obs.	Horizontal Movement of the Air on each Day.	Deprature from Average of 10 Years.	lbs.	lbs.	Miles.	Miles.	in.								
DECEMBER.																																	
SUN. . 21	..	30.181	30.1	23.7	12.4	31.4	- 8.2	27.5	3.9	5.5	1.0	85	43.2	21.0	..	..	ENE.	ENE. & N.E.	0.2	0.0	0.0	23½	73	0.0	0.0	in.							
MON. . 22	..	30.092	23.7	13.4	10.3	18.7	-20.7	18.7	0.0	0.0	0.0	100	27.8	13.4	..	..	NE. & Calm.	Variable.	0.0	0.0	0.0	65	240	0.0	0.0	0.0							
TUES. . 23	..	29.880	31.6	18.7	12.9	27.8	-11.5	27.3	0.5	1.0	0.0	98	36.2	18.7	..	..	E. & ENE.	ESE.	0.0	0.0	0.0	68	235	0.0	0.0	0.0							
WED. . 24	..	30.174	33.1	21.4	11.7	28.6	-10.7	25.8	4.8	5.7	1.3	82	39.0	20.0	..	..	ESE.	E. & ESE.	0.0	0.0	0.0	119	182	0.0	0.0	0.0							
THURS. . 25	..	30.126	30.0	20.6	9.4	26.3	-12.9	22.1	4.2	6.0	0.0	85	35.6	18.3	..	..	Calm & SW.	S. & SSW.	0.0	0.0	0.0	145	155	0.0	0.0	0.0							
FULL. . 26	Full.	30.155	36.2	28.7	7.5	32.9	- 6.2	30.2	2.7	5.1	0.0	90	39.0	28.0	..	..	Calm & SSW.	WSW. & SSW.	0.0	0.0	0.0	79	221	0.0	0.0	0.0							
DEC. N. . 27	Dec. N.	30.083	33.1	28.7	4.4	31.3	- 7.7	28.4	2.9	4.4	1.7	89	37.0	26.9	..	..	ENE.&NNE.	NNE. & E.	0.3	0.0	0.0	174	127	0.03	0.0	0.0							
MEANS . .	..	30.092	32.0	22.2	9.8	28.1	-11.1	25.4	2.7	4.0	0.6	90	36.8	20.9	..	..	E.		..	..	..	Sum 884	Sum 1233	0.0	0.0	Sum 0.03							
No. of Col. .	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					

DATE.		ELECTRICITY.		REGISTERED SUNSHINE.		HOURS ABOVE HORIZON.		GENERAL REMARKS.	
DECEMBER.		(For explanation of symbols, see Note.)		In hours.		In hours.			
SUNDAY	21	m. P. generally	.	0.0	7.7	7.7	7.7	Cloudy till evening; cloudless and very fine at night.	
MONDAY	22	m. P. till 4h. A.M.; discharge pipe frozen afterwards.	.	0.0	7.7	7.7	7.7	Fine in early morning; dense fog afterwards. Hoar frost. Very cold.	
TUESDAY	23	Discharge pipe frozen in morning; m. P. afterwards.	.	0.0	7.7	7.7	7.7	Overcast; dense fog in early morning.	
WEDNESDAY	24	m. P. throughout	.	0.0	7.7	7.7	7.7	Overcast till afternoon; fine and partially cloudy afterwards.	
THURSDAY	25	m. P. generally	.	0.0	7.7	7.7	7.7	Variable in early morning; cloudy till afternoon; fine afterwards, with variable light clouds.	
FRIDAY	26	v. P. throughout	.	0.0	7.8	7.8	7.8	Overcast generally.	
SATURDAY	27	m. P. in morning; w. P. generally afterwards.	.	0.0	7.8	7.8	7.8	Overcast throughout; frequent slight snow.	

The height of the cistern of the barometer is 189 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.

Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of the temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1876.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.

The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Office Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The reading of the barometer increased from 29.88 in. at the beginning of the week to 30.18 in. by 8h. P.M. on the 21st; decreased to 29.84 in. by 3h. P.M. on the 23rd; increased to 30.19 in. by 8h. P.M. on the 24th; decreased to 30.11 in. by 8h. P.M. on the 25th; increased to 30.16 in. by 8h. P.M. on the 26th; and to 30.08 in. by 8h. P.M. on the 27th.